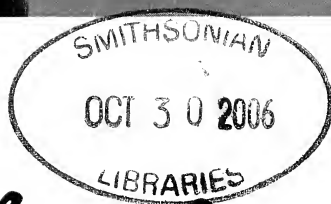
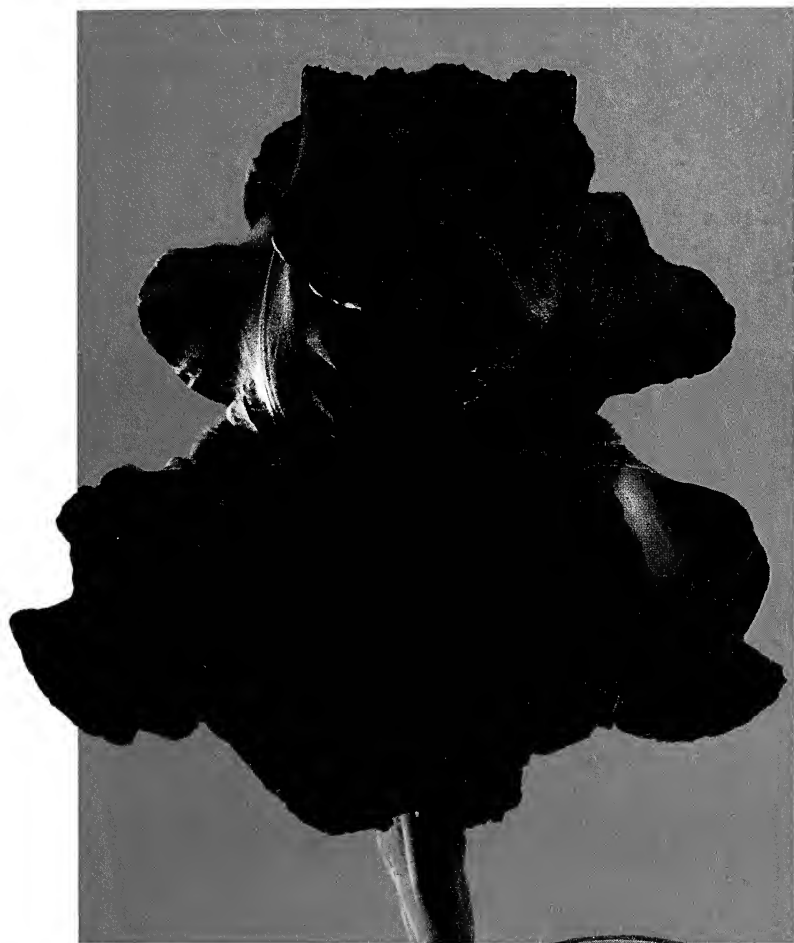


SB
413
I8A512
HORT



BULLETIN OF THE
American Iris Society

PRINTED IN TWO SECTIONS • SECTION ONE • NUMBER 213 • APRIL 1974

DOMINOCUS



Hocus Pocus
DOMINOCUS

Turn the blossom
round and round
and with each turn
you have a fascinating
new color arrangement—
And every blossom is
different.

Variegated Irises are beautiful.
Allan Ensminger, RFD 3, Lincoln, Ne.

THE BULLETIN

of the

AMERICAN IRIS SOCIETY

Vol. LV, No. 2

Series No. 213

April 1974

PRINTED IN TWO SECTIONS • SECTION ONE

EDITORIAL STAFF

Ira and Betty Wood,

Guest Editors for this issue

Kay N. Negus, *Assistant Editor*

27226 Lana Lane, Conroe, Texas 77301

Flight Lines Editor: Julius Wadekamper, R. 1, Maple Lake, Minn. 55358

Youth Editor: Thomas Ford, 12627 Oxon Rd., Herndon, Va. 22070

Section Presidents and BULLETIN Representatives

MEDIAN IRIS SOCIETY

Mrs. F. W. Warburton, 246 East Main St., Westborough, Mass. 01581

President: Harry B. Kuesel, 10 So. Franklin Circle, Littleton, Col. 80121

THE SOCIETY FOR SIBERIAN IRISES

Julius Wadekamper, R. 1, Maple Lake, Minn. 55358

President: Dr. Currier McEwen, South Harpswell, Maine 04079

SPURIA IRIS SOCIETY

Mrs. Joseph P. Crawford, R. 2, Box 35, Purcell, Okla. 73080

President: Mrs. Eleanor McCown, Box 176, Holtville, Calif. 92250

SOCIETY FOR JAPANESE IRISES

W. E. Ouwenel, RR 31, Box 206, Terre Haute, Ind. 47803

President: Mrs. Lorena M. Reid, 17225 McKenzie Hwy., R. 2, Springfield, Ore. 97477

REBLOOMING IRIS SOCIETY

Dr. Clarence P. Denman, 4214 Calmont Ave., Fort Worth, Texas 76107

President: Mrs. Wynnaline Stinson, 2035 Alhambra, Dallas, Texas 75217

AMERICAN ARIL SOCIETY

Mrs. Robert D. Steele, 3920 Clinton Blvd. N. W., Albuquerque, N. M. 87105

President: Mr. Herbert McKusick, Box 2567, Globe, Ariz. 85501

SOCIETY FOR PACIFIC COAST NATIVE IRISES

Edward J. Pasahow, 6235 Syracuse Lane, San Diego, Calif. 92122

President: Mr. Raymond J. Chesnik, 418 Buena Creek Road, San Marcos, Calif. 92069

The BULLETIN is published quarterly by The American Iris Society. Publishing office 2315 Tower Grove Ave., St. Louis, Mo. 63110. Second-class postage paid at St. Louis, Mo., and at additional mailing offices. Subscription price is included in annual membership dues of \$7.50. Annual subscription rate \$7.50 per year.

Communications regarding membership in the Society and other items of business should be addressed to Mr. Clifford W. Benson, Executive Secretary, 2315 Tower Grove Ave., St. Louis, Mo. 63110.

Communications regarding advertising should be addressed to Mrs. Kay N. Negus, Assistant Editor. For information about membership, advertising rates, and section dues, see sections under ANNOUNCEMENTS.

All copy due in editor's office two months before first of the month of publication.

The BULLETIN is printed by Williams Printing Company, Nashville, Tenn. 37219.

THE AMERICAN IRIS SOCIETY

A non-profit institution incorporated Feb. 2, 1927, in the County of Philadelphia, State of Pennsylvania. By the terms of the Charter, the Corporation has no stockholders and exists for the sole purpose of promoting the culture and improvement of the IRIS.

OFFICERS

President: Dr. Hugo Wall, 1305 N. Yale, Wichita, Kan. 67208.
First Vice President: Dr. Clarke Cosgrove, 8260 Longden Ave., San Gabriel, Calif. 91775
Second Vice President: Ira E. Wood, 37 Pine Court, New Providence, N.J. 07974
Secretary: Clifford W. Benson, 2315 Tower Grove Ave., St. Louis, Mo. 63110 (Telephone: Area Code 314, PR 6-8155)
Treasurer: Jay C. Ackerman, 3535 Waverly Hills Rd., Lansing, Mich. 48917
Registrar: Kay N. Negus, 27226 Lana Lane, Conroe, Texas 77301
Historian: Mrs. C. E. McCaughey, 5720 N.W. 36th St., Oklahoma City, Okla. 73122

DIRECTORS

Immediate Past President: William T. Bledsoe. *Past Presidents:* Hubert A. Fischer, Dr. L. F. Randolph, Guy Rogers, Marion Walker, Jesse E. Wills, Dr. John C. Wister.
Terms expiring in 1974: Earl T. Browder Mrs. C. E. McCaughey
William H. Peck Ira E. Wood
Terms expiring in 1975: Dr. Clarke Cosgrove Marion R. Walker
Bennett C. Jones Leon C. Wolford
Terms expiring in 1976: Mrs. B. E. Crumpler Mrs. R. V. Ramsey
Glenn F. Hanson Dr. Hugo Wall
Also director: Clifford W. Benson, Secretary.

CHAIRMEN OF STANDING COMMITTEES

Administrative: Earl T. Browder, 2517 Washington Ave., St. Albans, W. Va. 25177
Affiliates and Sections: Glenn F. Hanson, 7124 Riverdale Rd., Minneapolis, MN 55430
Exhibitions: Dr. Clarke Cosgrove, 8260 Longden Ave., San Gabriel, CA 91775; Asst. Chairman, Mrs. B. E. Crumpler, 2521 Wycliffe Ave., SW, Roanoke, VA 24014
Foundation Liaison: William H. Peck, 30 Yellow Cote Road, Oyster Bay, N.Y. 11771;
Honorary Medals: William T. Bledsoe, R. 2, Fayetteville, TN 37334
Judges Training and Judges: Mrs. R. V. Ramsey, 6518 Beachy Ave., Wichita, KS 67226
Membership: Glenn F. Corlew, 2988 Cherry Lane, Walnut Creek, CA 94596
Publications: Ira E. Wood, 37 Pine Court, New Providence, N.J. 07974
Publicity: Perry L. Parrish, 4908 N.W. Grand Blvd., Oklahoma City, OK 73122
Registrations: Bennett C. Jones, 5635 S.W. Boundary St., Portland, OR 97221. Send all registration applications and fees, payable to AIS, to the Registrar, Kay N. Negus, 27226 Lana Lane, Conroe, Texas 77301
Robins: Mrs. Dan Edelman, Box 591, Ft. Morgan, CO 80701
RVP Counsellor: Ira E. Wood, 37 Pine Court, New Providence, N.J. 07974
Scientific: Dr. Raymond C. Allen, Kingwood Center, Mansfield, OH 44903
Slides: Leon C. Wolford, 7530 Forney St., Dallas, TX 75227
Species: B. LeRoy Davidson, 911 Western Ave., No. 200, Seattle, WA 98104
Test Gardens: Harry B. Kuesel, 10 S. Franklin Circle, Littleton, CO 80121
Youth: Mrs. Ann Branch Dasch, 36 Greenmeadow Dr., Timonium MD 21093

Table of Contents

From the President's Desk	Dr. Hugo Wall	5
From the Guest Editors of This Issue	Ira and Betty Wood	5
Dr. J. Arthur Nelson	Melba Hamblen	7
Messages from Australia, England, and New Zealand		10
Affiliates		11
AIS Annual Convention, Roanoke, Virginia		12
Errata		14
Optimism in Region 4	F. G. Stephenson	15
Convention in '74—Virginia Is for Iris Lovers	Rena Crumpler	16
Notice to Hybridizers	Harry B. Kuesel	19
Rebloom in the 1974 Convention Beds	Lloyd Zurbrigg	20
Another Convention Garden	F. G. Stephenson	21
Holly-Rock Gardens	Jeanne W. Price	22
Radford and Blacksburg Gardens	Lloyd Zurbrigg	23
Have You Seen a U. F. O.?	Franklin E. Carr	25
How To Register an Iris Name		25
Problems in Bearded Iris Classification	Bee Warburton	26
Profile: Stephana Woodside		31
Factors Influencing Germination of Japanese Iris Seeds and Health of the Sprouted Seedlings	Currier McEwen	32
The Australian Iris Society Convention, 1974	Rita Caldwell	37
Greetings from New Zealand	Mrs. M. Snow	41
Wallace Stevens		41
AIS Australia-New Zealand Tour	Margaret Zurbrigg	42
Welcome, New Top Robin	Leda Christlieb	43
Flight Lines	Julius Wadekamper	45
Don't Discard Me	Larry L. Harder	45
International Symposium on Iris		47
Youth Views		48
Youth Committee Gains New Member	Ann Dasch	49
More for the Money for Young Irisarians	David Mohr	51
Further Experience with Tetraploid Siberian Irises	Currier McEwen	52
Profile: Leo Clark, <i>Arilarean</i>	Ray Leech	56
Pink Amoenas Yes, But	Dave Niswonger	58
Profile: Lowell G. Harder		62
A Distinguished Weaver in Irisdom	Clarence P. Denman	63
AIS Publications		109
In Memoriam		110
Minutes of the Board of Directors Meeting		112
Requirements for Affiliation		118
Advertisers' Directory		119
Errata, 1973 Awards		119
Announcements: Dues and Advertising Rates		120
Guest Irises for Michigan, 1976		121
1974 New Membership Campaign		122
Membership Campaign Winners		123
Iris Slides for Rental	Leon C. Wolford	123
AIS Show Supplies		124
Commercial Directory		125

The Cover Picture is of DUSKY DANCER (Luihn, 1967), H. M. '68; A.M. '70; the dark violet black iris with personality that won seventh position in the Popularity Poll for 1973.

REGIONS AND REGIONAL VICE PRESIDENTS

- 1—Maine, New Hampshire, Vermont, Massachusetts, Connecticut, and Rhode Island. *Mr. James R. Welch*, R. 1, Box 161, Londonderry, N.H. 03053.
- 2—New York. *Mr. James A. Gristwood*, 605 Lock St., Phoenix, N.Y. 13135.
- 3—Delaware and Pennsylvania. *Dr. John Harvey, Jr.*, 203 W. Pembrey Dr., Wilmington, DE 19803.
- 4—Maryland, District of Columbia, Virginia, West Virginia, and North Carolina, *Acting RVP*, *Mr. W. D. Kelley*, 653 Washington St. E., Lewisburg, W. Va. 24901.
- 5—South Carolina, Georgia and Florida. *Mr. James H. Duren*, 2136 Carriage Drive, Morrow, Ga. 30260
- 6—Ohio, Michigan and Indiana. *Mr. D. O. Rawdon*, 1344 Leeson Ave., Akron, OH 44341.
- 7—Kentucky and Tennessee. *Mr. A. J. Vogt*, 5101 Fegenbush Lane, Louisville, Ky. 40218.
- 8—Wisconsin and Minnesota. *Mr. Arthur G. Blodgett*, 1008 E. Broadway, Waukesha, WI 53186.
- 9—Illinois. *Mr. Harley E. Briscoe*, Route 1, White Hall, IL 62092.
- 10—Louisiana. *Mr. Joseph K. Mertzweiller*, 9266 N. Parkview Dr., Baton Rouge, LA 70815.
- 11—Montana, Idaho and Wyoming. *Mrs. Sidney W. Smith*, R. 2, Twin Falls, Idaho 83301.
- 12—Utah. *Mr. Bion Tolman*, 4399 Carol Jane Dr., Salt Lake City, UT 84117.
- 13—Oregon and Washington. *Mr. George A. Galer*, 1765 N.E. Holman St., Portland, Ore. 97211.
- 14—Northern California and Nevada. *Mr. Joseph G. Ghio*, 1201 Bay St., Santa Cruz, CA 95060.
- 15—Southern California and Arizona. *Mrs. Barbara Serdyski*, 3433 Laclede Ave., Los Angeles, Calif. 90039.
- 16—Canada. *Mr. W. J. Taylor*, 220 Willowdale Ave., Willowdale, Ontario.
- 17—Texas. *Mrs. Vernon H. Keese*, 3620 31st St., Lubbock, Texas 79410.
- 18—Missouri and Kansas. *Mrs. Paul Newman*, Sunny Slope Farms, Ironton, MO 63650.
- 19—New Jersey, Staten Island, N.Y. *Mrs. Lloyd F. Rake*, Nedsland Ave., Titusville, N.J. 08560.
- 20—Colorado. *Mr. Frederic H. Nicholl*, 10500 W. 79th Way, Arvada, CO 80002.
- 21—Iowa, Nebraska, North Dakota and South Dakota. *Mr. Kempton Settle*, 1304 S. Center, Marshalltown, Ia. 50158.
- 22—Oklahoma and Arkansas. *Mr. Ronald Mullin*, 1600 4th St., Route 3, Pawnee, OK 74058.
- 23—New Mexico. *Mrs. Francis C. O'Kelly*, 1219 Los Arboles Ave., N.W., Albuquerque, N.M. 87107.
- 24—Alabama and Mississippi. *Mr. Donald R. Saxton*, 1011 Cole Dr., S.E., Huntsville, Ala. 35802.

From the President's Desk

DECEMBER, 1973, was a sad month indeed. We lost Art Nelson. Most of the material for the January, 1974, BULLETIN was complete at the time, and the resourceful efforts of Kay Negus, Art's daughter, enabled us to complete the material for the January BULLETIN. It was late, but this was due to the printing being late, not the BULLETIN materials not being ready.

Ira and Betty Wood came to our rescue by accepting the Editorship for this, the April, 1974, BULLETIN and have worked tirelessly. (We couldn't have been more fortunate!) We all owe them our deepest appreciation. We will have guest Editors for the remainder of 1974 and for the January, 1975, issue. This will give us time to search out and choose a permanent Editor.

I hope you have not forgotten about our Roanoke convention. From all I have learned, they have planned one of the best conventions we have ever had. The delay in the publication of the January BULLETIN worried them, so I hope that you have replied generously and promptly to their convention offer.

See you in Roanoke!

HUGO WALL

FROM THE GUEST EDITORS OF THIS ISSUE

When, on Christmas night, Hugo Wall notified us of the death of Art Nelson, we knew that the AIS had suffered a severe loss. No one will come close to serving the Society as well as Art has done.

The most immediate emergency was the problem of getting out the April issue of the BULLETIN, with a February first deadline. When Clarke Cosgrove asked us to undertake this, we knew that his time for finding an editor was very short. So we agreed to try to get the next issue out as nearly on schedule as possible. This is what Art would have wanted us to do.

We want to thank our many friends in the AIS who have been so very helpful in getting good material to us on time. We are also grateful to Paul Moore of the Williams Printing Company and Tom Jacoby for instructing us in the many aspects of producing an AIS BULLETIN that were new to us.

Kay Negus has handled all of the advertising copy and will continue to do so. The Guest Editor of the July issue will be Perry Parrish, 4908 N.W. Grand Boulevard, Oklahoma City, OK 73122. All copy for the July issue (except advertising) should be sent to him.

IRA and BETTY WOOD



DR. J. ARTHUR NELSON
1900-1973

DR. J. ARTHUR NELSON (July 3, 1900-December 25, 1973)

MELBA HAMBLEN

A SENSE of infinite personal loss was felt by irisarians throughout the world when we learned that, in the zenith of his productive years, Dr. Nelson had been taken from us. His remarkable talents, his wealth of knowledge, and his sound judgment will be deeply missed. But most of all, we'll miss the man who gave so generously of himself, and touched so many lives in a positive and uplifting manner.

Art Nelson was—first of all—a proud and loving husband, father, grandfather. He married Irene Schlichting in 1930 and they built a rich and beautiful marriage. They were blessed with five lovely daughters whose devotion to their parents is mute evidence of the thoughtful care with which they were nurtured. Following in their father's footsteps, three of the daughters became teachers; and Kay Negus, well known in irisdom for her efficiency as AIS Registrar, left her job with a large Omaha real estate firm to become Art's assistant in AIS work.

Dr. Nelson's introduction into the iris world was, more or less, by happenstance. Irene, with her inherent love for beauty, was the gardener in the family. Her iris interest dates back to 1935 when Art's first Omaha teaching assignment took them to an Omaha home with a garden full of irises, mostly Sass originations. Irene's enthusiasm was sparked. She joined AIS and began acquiring additional varieties. And while Art rather enjoyed preparing the soil for Irene's rapidly expanding garden, he did not fall under the spell of the "Goddess" until the arrival of the twins in 1941. Then, realizing that Irene's gardening time would be somewhat limited, he offered, temporarily, to take over the large iris garden. But once his journey along the Rainbow Trail began, Art found there was no turning back; and his talent for organizational detail found outlet in the varied "side trips" along the trail.

In retrospect, Art once said he found it amusing that Irene, the dyed-in-the-wool gardener, was traveling extensively to lecture on flower arrangement; while he, trained as a public speaker, had become a gardener "of sorts." Art became increasingly interested in all facets of irising; and in 1948, with a few iris-minded friends, he and Irene were instrumental in organizing the Omaha Iris Society. (His activity in the local society led to participation in regional affairs and the Editorship of Region 21's first Newsletter.)

With the Omaha Iris Society's first show, Art recognized the need for improvement and revision of the Official Color Classification. For the next several years he and Irene spent their spare time color-reading thousands of irises, researching innumerable bulletins and catalogs, and evolving subsidiary symbols to better describe in symbol form the myriad color patterns of irises. Included also in their monumental work (published in 1966) were symbols for the various sections—information that has been invaluable to show committees in setting up sectional classes. But even as they finished the 1966 Color Classification, Irene and Art realized that, with the ever expanding iris panorama, their work was incomplete. A revised edition was published in 1971.



Art and Irene Nelson evaluating irises

Photo by Rosa Belle Van Valkenburgh

In recognition of their exceptional work with color classification, Irene and Art were honored, in 1966, with the activation of the Nelson Award, given annually to the iris selected Queen of the Show the greatest number of times.

In the meantime, Art's unique potential had been recognized on a national level. In 1958 he became a member of the AIS Board of Directors and was appointed Chairman of the Exhibitions Committee. Art was Exhibitions Chairman for seven years, an incredibly long term for this demanding office; but he described the experience as "interesting and rewarding," and a measure of his dedication can be found in his evaluation of these seven years, since it is an inexorable fact of life that one receives according to the degree with which one gives.

During this time the sections were in a stage of rapid development and a new judges training program was in the making. Art was called upon for help in matters of classification and awards structure, and he was a member of the committee for the revision of the Judges Handbook. His unlimited capacity for work and his administrative ability resulted in additional appointments: Dr. Nelson became second vice president in 1963, first vice president three years later, and, by order of succession, could have been AIS President in 1969. An honor he declined.

Dr. Nelson was awarded the Distinguished Service Medal of the American Iris Society in 1970 for his services.

Art succeeded Thomas E. Jacoby as Editor of Publications in 1964. The following year he was appointed to serve as AIS Registrar and in 1966 he accepted the Chairman of Awards appointment. These last two appointments challenged his systematical mind and were met with conscientious and logical decisiveness. Procedures were adopted and files set up which will allow either program to be passed on, with no loss in continuity, as the need arises. But it was as Editor of the BULLETINS that J. Arthur Nelson found his "pot of gold," measuring up, in the fullest sense, to the great tradition handed down through the past half century by former editors. Between the covers of his thirty-eight BULLETINS his mark of greatness is recorded for all time.

The Nelson contributions to AIS are unparalleled: the quarterly BULLETINS, revisions of Color Classification and of What Every Iris Grower Should Know, the yearly Registrations and Introductions booklets, the 1969 Iris Check List, and, of inestimable value, the countless letters to individual AIS members that flowed from Art's facile typewriter in a seemingly endless stream. Gifted in diplomacy and the art of using words creatively and with empathy, no question was too trivial, no problem too insignificant for his gracious and courteous consideration.

This documentation of Art's "iris life" is a thumbnail sketch of the man we knew and loved. But there was another J. Arthur Nelson not so well known in Irisland. It should be pointed out that irisology was Art's avocation. He was, by profession, an educator.

Dr. Nelson received his Bachelor's degree from Midland College and his Master's degree from the University of Nebraska. He joined the staff of the Omaha Public Schools in 1935 after having taught for seven years in Fremont. By 1944 he was principal of Central High School, a position he held until his retirement.

Many honors were received by Dr. Nelson during his career as an educator. He received the John Hay Whitney Fellowship at Williams College in 1959; he was awarded an Honorary Doctorate from Midland College in 1964; was made an Honorary Cadet Colonel in the R.O.T.C. in 1966; and received an Honorary Alumnus award from Creighton University in 1967.

Additional activities included the presidency of the Omaha Education Association; he was also editor of the O.E.A. Quarterly. He was president of the Nebraska State Education Association in 1964-5, and for nine years thereafter was a member of the NSEA Board of Directors. Among his accomplishments at Central High was the development of an advanced placement program in which students received college credit for high school courses or took tests allowing them to bypass some required college subjects.

With reluctance the School Board accepted Dr. Nelson's resignation in 1968, three years after he became eligible for retirement. In recognition of his forty-one years of dedication to the field of education, May 19, 1968 was proclaimed J. ARTHUR NELSON DAY. More than 4,000 friends filled the auditorium to overflowing. Among those participating in the impressive program were the Hon. Edward W. Danner, Nebraska State Senator, and the Hon. Roman Hruska, United States Senator.

During his last years, ill health was a frequent companion; but in spirit

Art Nelson never wavered, plunging into all kinds of iris work as if work was, indeed, an antidote for mortal affliction.

Dr. J. Arthur Nelson will live in memory as one of the iris greats. His interest was broad in perspective, far reaching in outlook; and his dedication to irises built a monument that will endure as long as irises are grown.

MESSAGE FROM AUSTRALIA

It is with deep regret that the members of the Australian Iris Society note the passing of Dr. J. Arthur Nelson. Dr. Art Nelson was held in the highest esteem by members of our Society, not only for his dedicated and untiring work for the world of iris lovers, but also for his admirable personal qualities.

He has been a source of inspiration and enthusiasm for all of us.

ALAN W. JOHNSON, *President*
Australian Iris Society

MESSAGE FROM ENGLAND

The Iris Societies of the world are not, by conventional standards, large institutions but their members are spread over very large areas both in their native countries and by their overseas membership. They create a sense of belonging which transcends the barriers of distance and of frontiers. All too often, members can rarely meet their colleagues, sometimes not even attend the Annual Shows and their fellowship depends upon what they can read of one another and one another's doings. The *BULLETINS*, *Year Books* and the like form probably the strongest cement to bind us together and very often enable us to meet as friends those whom we have never previously met except on the printed page.

This is the great achievement of Dr. Arthur Nelson that so many people, native and overseas, have come to regard as lively and familiar, personalities, enthusiasm and achievements thousands of miles beyond physical contact.

The AIS has lost one of its most important officers, something which must affect all who see the *BULLETIN* but, even as we sympathize deeply with their loss, we and they must be pleased that so much was achieved by Arthur Nelson in spreading the gospel, in cementing friendships and, as Chairman of Awards, in raising the standards of growing and breeding irises.

—IVOR KNOWLES, *President*
The British Iris Society

MESSAGE FROM NEW ZEALAND

It was with regret that I learnt of the passing of Dr. J. Arthur Nelson, and I should like to express on behalf of the members of the New Zealand Iris Society our sincere sympathy to his family and our sense of loss we share with all members of the American Iris Society.

We salute the memory of one who shared his vast knowledge and this, together with giving freely of time and talent, has indelibly impressed his name on the history of the Iris world.

—K. A. BLAKEMORE, *President*
The New Zealand Iris Society

Affiliates of the American Iris Society—1974

Birmingham Area Iris Society, Pres., Mrs. E. G. Brown, Palmedale, Ala.
Huntsville Chapter of AIS, Pres., Mrs. Mary Detko, Huntsville, Ala.
Marshall County Iris Society, Pres., Miss Sarah Scruggs, Guntersville, Ala.
Sun Country Iris Society, Pres., Mr. Robert J. Staub, Phoenix, Ariz.
Tucson Area Iris Society, Pres., Mrs. Steve Olijniczak, Tucson, Ariz.
Hot Springs Iris Society, Pres., Mrs. Gilford Harrison, Hot Springs, Ark.
Central Valley Iris Society, Mrs. Gladys Kloberdanz, Modesto, Cal.
Fresno Iris Society, Pres., Mr. Alan Amend, Fresno, Cal.
San Diego-Imperial Counties Iris Society, Pres., Mr. Paul S. Runde, San Diego, Cal.
Southern Calif. Iris Society, Pres., Avis T. Jasmin, Arcadia, Cal.
Northern Illinois Iris Society, Pres., Mr. Charles J. Simon, Hinsdale, Ill.
Southern Illinois Iris Society, Pres., Mr. W. C. Carter, Herrin, Ill.
Northeastern Indiana Iris Society, Pres., Mrs. Elsie Zuercher, Portland, Ind.
Sioux City Iris Society, Pres., Miss Vera H. Ludden, Sioux City, Iowa
Wichita Area Iris Society, Pres., Mrs. Roberta Torrey, Wichita, Kans.
Blue Grass Iris Society, Pres., Mrs. D. F. Hill, Lexington, Ky.
Society for Louisiana Irises, Pres., Mrs. W. J. Gaidry III, Houma, La.
Maine Iris Society, Pres., Mrs. Philip Mollicane, Winthrop, Maine
Southwestern Michigan Iris Society, Pres., Mr. Lawrence Tuleen, Kalamazoo, Mich.
Tri-County Iris Society, Pres., Mrs. Paul Quinn, Lansing, Mich.
Iris Society of Minnesota, Pres., Mr. James Seeden, Bloomington, Minn.
Mississippi Area Iris Society, Pres., Mrs. A. K. Primos, Jackson, Miss.
Mineral Area Iris Society, Pres., Mrs. Paul Newman, Ironton, Mo.
Semo Iris Society, Pres., Chester Blaylock, Cape Girardeau, Mo.
Greater St. Louis Iris Society, Pres., Mrs. Louise Bellagamba, Bridgeton, Mo.
Washington Iris Club, Pres., Mrs. James R. Watters, Washington, Mo.
Great Falls Iris Society, Pres., Mrs. H. J. Schilling, Great Falls, Mont.
Missoula Iris Society, Pres., Mrs. Nancy Shaw, Bonner, Mont.
New Mexico Iris Society, Pres., Mrs. M. J. Clauser, Albuquerque, N.M.
Mesilla Valley Iris Society, Pres., Col. C. L. Seligmann, Las Cruces, N.M.
Roswell Iris Society, Pres., Mrs. J. H. Ferrell, Roswell, N.M.
Central Ohio Iris Society, Pres., Mr. Albert Whatman, Bellville, Ohio
Akron Area Iris Society, Pres., Mrs. Nina Sigenthaler, Uniontown, Ohio
Miami Valley Iris Society, Pres., Mrs. Dale Williamson, Brookville, Ohio
North East Ohio Iris Society, Pres., Mrs. Victor Repp, Richfield, Ohio
Tulsa Area Iris Society, Pres., Mrs. Robert C. Howard, Tulsa, Okla.
Delaware Valley Iris Society, Pres., Albert E. Miller, Levittown, Pa.
South Carolina Iris Society, Pres., Rev. Everette Lineberger, Spartanburg, S.C.
Memphis Area Iris Society, Pres., William C. Belus, Memphis, Tenn.
Middle Tennessee Iris Society, Pres., Mrs. B. L. Johnson, Nashville, Tenn.
New Braunfels Iris Society, Pres., Mr. Kenneth Trisch, New Braunfels, Tex.
North Plains Iris Society, Pres., Mrs. Jack Witcher, Amarillo, Tex.
Utah Iris Society, Pres., Mr. Stanley Peterson, Kearns, Utah
Pierce County Iris Society, Pres., Mrs. Mark Farmer, Tacoma, Wash.
Wisconsin Iris Society, Pres., Mr. Melvin Bausch, Mequon, Wis.

NOTICE TO ALL AFFILIATES

The affiliates currently approved are herewith listed. If there are any errors or questions, please feel free to write the chairman. Affiliation must be renewed annually. For current requirements for affiliation, see page 118.

GLENN F. HANSON
Chairman, Affiliates and Sections

AIS ANNUAL CONVENTION

**It's Region 4 in '74!
May 14 through May 18, 1974
Roanoke, Virginia**

Convention hotel: Hotel Roanoke
Roanoke, Virginia
Phone: 703-343-6992
Rates: Single \$19 per day plus 5% tax
Double
or twin \$24 per day plus 5% tax

Location: Downtown Roanoke

From Interstate 581, take Downtown Exit to hotel.

Make reservations directly with the hotel; the earlier the better. State that you will be attending the American Iris Society Convention.

Transportation: Piedmont Airlines
Trailways and Greyhound buses
Eastern Airlines (about 2 flights a day)

For campers: Roanoke Mountain Campground
(operated by National Parks Service)

The campground is approximately five miles from the hotel. It is in a very secluded area, with provisions for all types of campers. Very seldom crowded. Advance reservations not available, but Convention personnel may be able to assist you.

Location: On a spur road just off the Blue Ridge Parkway, between Routes 460 and 220. From South, enter Parkway from Rt. 220. Follow signs and go about 2 miles north. From East, enter Parkway from Rt. 460. Go south about 15 miles. From downtown Roanoke, go south about 12 blocks on Jefferson St. (the main north-south street). At Walnut Ave. turn left. Follow signs to Mill Mountain, where signs will direct to Roanoke Mountain.

CONVENTION REGISTRATION FEES

Entire Convention

Before April 10th (See Jan. Bull.)	\$50.00
After April 10th (See Jan. Bull.)	55.00
Youth members	40.00
Bus tours and lunch—Each day	8.00
Welcome Dinner	8.00
Awards Banquet	9.00
Convention packet and Program Booklet	2.00
No Convention packet or Program Booklet given to those having partial reservations	
Robin Program Reception	2.00

If guest attends all except Awards Banquet deduct cost of Awards Banquet. Program Booklet and Convention packet included in this type of registration.

MAKE CHECKS PAYABLE TO 1974 A/S Convention

Send Reservations to:

Mr. B. J. Brown
Route 3 Box 327D
Charlotte, N. C. 28210
Phone 704-588-1788

For any Convention information, write or call

Mr. F. G. Stephenson, Chairman
5608 Merriman Road S. W.
Roanoke, Virginia 24018
Phone 703-774-0202

CONVENTION SCHEDULE

TUESDAY, MAY 14

10:00 A.M. to 10:00 P.M.	Registration	Oval Room
	Headquarters Room Open	Parlor "D"
1:00 P.M.	Directors Meeting	Parlor "F"
4:00 P.M.	Board of Counselors (RVPs)	Pine Room
5:00 P.M.	Section Representatives	Parlor "E"
7:30 P.M.	Informal Gathering	Cavalier Room
	Refreshments, entertainment, slides and movies	

WEDNESDAY, MAY 15

7:00 A.M. to 10:00 P.M.	Registration	Oval Room
	Headquarters Room Open	Parlor "D"
7:30 A.M.	President's Breakfast	Pine Room
9:30 A.M.	The Society for Pacific Coast Native Irises	Cavalier Room
10:30 A.M.	Reblooming Society Meeting	Pine Room
10:30 A.M.	Board of Directors	Parlor "F"
11:30 A.M.	Median Society Board	Parlor "E"
1:00 P.M.	Spuria Society Meeting	Cavalier Room
2:00 P.M.	Siberian Society Meeting	Pine Room
3:00 P.M.	Median Society Meeting	Cavalier Room
4:00 P.M.	Japanese Society Meeting	Pine Room
6:30 P.M.	Welcome Dinner	Ballroom
8:00 P.M.	Symposium	Pine Room
	"Let Science Help Grow Iris"	
9:00 P.M.	Robin Reception	Cavalier Room

THURSDAY, MAY 16

7:00 A.M. to 9:00 P.M.	Registration-Headquarters Room Parlor "D"
7:30 A.M.	Buses leave for Johnson Garden, Glade Hill; Davis Garden, Bassett; Folkers Garden, Blairs; and Nenon Garden, Chatham Box lunches will be provided on each bus so that group may eat at most convenient time
4:30 P.M.	Return to Hotel Dinner on your own
8:00 P.M.	Judges Training Shenandoah Room

FRIDAY, MAY 17

7:00 A.M. to 10:00 P.M.	Headquarters Room Open Parlor "D"
8:00 A.M.	Buses leave Hotel for Roanoke and Salem gardens; Garden Center, Crumpler Garden, McCoy—Stephenson gardens, F. G. Stephenson garden and the Brown garden in Roanoke and the Hylton garden in Salem
Lunch	Salem-Roanoke Valley Civic Center—Buffet
4:00 P.M.	Return to Hotel Evening open Guided shopping tours will be provided to Tanglewood Shopping Mall, tours to Mill Mountain, Blue Ridge Parkway, Men's Garden Club Rose Garden and other points of interest.

SATURDAY, MAY 18

7:30 A.M. to 7:00 P.M.	Headquarters Room open Parlor "D"
8:00 A.M.	Buses leave hotel for Radford-Blacksburg gardens. Included are the Zurbrigg gardens, Radford College plantings, Virginia Polytechnic Institute and State University (Drive-through only), Price garden and the Bennett garden in Christiansburg featuring exotic shrubs and evergreens.
Lunch	One half will eat at Radford College One half will eat at V.P.I. & S.U. Squires Student Center
4:00 P.M.	Return to Hotel
7:00 P.M.	Awards Banquet Ballroom
9:00 P.M.	Music for Dancing Ballroom

Special Notes: There will be NO speaker at the Banquet
Buffet Breakfast will be available at the Hotel at 6:00 A.M. on Thursday and at 6:30 A.M. on Friday and Saturday
Buffet Lunch will be available on Wednesday (Tickets will be available at Registration Desk)

An extra expense tour is possible for Friday evening. This will be to Natural Bridge for Dinner and a special showing of the Pageant under the Bridge. The gasoline situation may influence this.

ERRATA

Your attention is called to the fact that the cover of the January, 1974, BULLETIN bears the wrong serial number. That issue is Number 212.

Optimism in Region 4

F. G. STEPHENSON, *Convention Chairman*

Optimism: The cheerful belief that everything happens for the best!



Fred Stephenson, Chairman of the 1974 Convention, with the wrong kind of plant and Jean Bowersox

Photo by Rosa Belle Van Valkenburgh

We, here in Region 4, are filled with cheerful belief that, in spite of the threatened energy crisis, everything is happening to make the 1974 Convention the very best ever. We are firmly convinced that everyone making the special effort to be our guests will feel that his efforts have been worthwhile.

As Convention Chairman, I want to assure you that, as this is being written, none of our plans or efforts have been curtailed in the slightest. Our State Travel Agency has promised to give full support to our efforts to maintain our full schedule of tours. We are very much excited at the prospects of offering many innovations that will make this Convention truly "different."

The guest gardens look great; the Hotel management and the Hotel personnel are becoming excited at the prospect of hosting such a cosmopolitan group. They are further excited about the prospects of our having a goodly number of international guests (about 40 persons from outside the United States are expected). The Convention Staff and the members of Region 4 are more firmly dedicated to our task because of the increased difficulties being presented by world events. It is our sincerest hope that each of you will feel that it was good that you made the extra effort to come and share with us the joy of our favorite flower.

As one of the very special attractions, we plan to have a very distinctive display of craft items featuring the iris motif. Many of these items will be for sale so come well prepared. This will provide an unsurpassed opportunity to start or to add to your collection of iris items. We have been most fortunate in procuring the services of a most dedicated group of native Appalachian Mountain Craftspeople who are, at this very time working on items featuring the iris design. These will be made available for display and sale. These items include iris jewelry, china, wood carvings, metal plaques, handmade quilts, various needlecraft items, paintings, metal sculpture and many other items of this nature. In addition to this we expect to have many items produced by our own AIS members.

Arrangements have been made for an iris art show. We have promise of a number of fine paintings in various media. This will provide the opportunity for viewing some of the finest. Should any of you have art

that you would like to display, please bring it along. Others would like to share it. We promise to give everything the very best of care.

As part of our fun and fellowship we will have for your enjoyment many valuable prizes which will be given away at various times during the convention. Included in these are a number of iris rhizomes donated by our Region 4 hybridizers. We want you to remember this as a fun convention as well as an educational one, so for enjoyment GALORE, IT'S REGION 4.

CONVENTION '74—VIRGINIA IS FOR IRIS LOVERS FACTS AND FANCIES

RENA CRUMPLER, *Guest Iris Chairman*

FACTS:

Thanks to the tremendous response of 174 hybridizers from all parts of our Nation, surely, Virginia will be for iris lovers in 1974! The final figures show a total of over 3200 rhizomes comprising almost 1200 varieties. Approximately 65% are introduced varieties while 35% are still under seedling number. Of the introduced varieties, over 90% are 1972, '73 and '74 introductions and many under seedling number are scheduled for 1975 and '76 release. These figures do not include the generous donations of Medians made by various Median enthusiasts for the plantings at Radford College.

The slightly different bloom seasons in the Roanoke, Martinsville, and Chatham areas should afford many early, midseason and late Tall Bearded and Border Bearded varieties an opportunity to be seen. We also think those who are interested in the Remontants will be pleasantly surprised to find some choice ones in the Zurbrigg garden at Radford and will be amazed at the strides this hybridizer has made in improving them. The IBs and the MTBs should be at peak in both Radford and Blacksburg. Also, we are hoping to have some SDBs in bloom in these gardens but that may be asking a little too much.

Siberians which can adapt to Tall Bearded conditions as to moisture, etc. should be blooming in the southernmost gardens and the early Roanoke gardens. We regret that we have no Siberian specialists in the area and, therefore, are limited in our ability to provide the special growing conditions necessary for some of them.

FANCIES:

Strictly speaking, to comment on 1973 bloom is probably unfair and premature because of a late freeze with resultant poor season for first year plants in most of the tour gardens. Of course, "Don't judge one year plants" is a cardinal rule in any year, but, I can't resist going out on a limb (which sometimes seems to be my permanent home) to predict great things for some of the irises, which as one year plants, appear to be particularly outstanding. It must be understood that many plants did not bloom at all and a great number had injured stalks. Another point to consider is that I had a greater opportunity to study my own guests and, therefore, most of the ones I singled out are growing in my garden.

The first group consists of varieties which were practically fault free as one year plants. They are not, in most cases, new color breaks, they may

have a general description very similar to some others in their respective classes, but, in all cases, they are varieties in which quality and distinction are immediately evident.

NAVY STRUT—Schreiners '74. We always expect wonderful deep blues and violets from the Schreiners but this one seemed even better than its predecessors. Fluted and ruffled and flaring, it has good proportions throughout, excellent branching on a strong stalk, generous increase and all the rest that goes to make a very stately, commanding variety of great beauty.

PARIS OPERA—C. Benson '72. Exquisitely ruffled lilac flower with lighter area in center of falls, very broad in all parts, it has a lilac beard changing to lemon in the heart of the long lasting flower. The stalk is well branched and is in proportion to the fine foliage. The increase is excellent. All of Cliff's '72 introductions performed well for me and I was hard put to decide whether to choose **PARIS OPERA** or **MAESTRO PUCCINI**, a very fine blue out of **VAN CLIBURN** x **TIDELANDS**. (**TIDELANDS** is an old Buttrick iris which I grew for years because it was the bluest thing in the garden.) The **MAESTRO** inherits much of this blueness. It may be that, come another year, I will transfer my affections, but, in 1973, **PARIS OPERA** was the one which was most stunning and had the greater perfection in all respects.

ORMOLU—H. S. Schafer. The name **ORMOLU** means imitation gold but there is nothing imitation about this bright, bright golden yellow with a slight brown shading in the hafts and a yellow-orange beard. Ruffled and fluted throughout, it has beautiful flaring form, smooth texture and heavy substance. The wide parts are in nearly perfect proportion to each other and the clean foliage is in proportion to the height of the well branched stalk. To be at its best, this iris will probably have to be separated or thinned each year in most locations since it seems to increase very rapidly. I base this on the fact that at the Philadelphia Convention, a two year clump was badly in need of dividing and was not quite as handsome as the one year clumps in our gardens, although I note that it placed ninth in the poll of Favorite Guest Irises. By the way, the brown shading at the hafts was much more pronounced at Philadelphia than it was in this area. **ORMOLU** is a real beacon that calls to you from across the garden and gets better and better as you approach.

CROWN STERLING—Moldovan '72. This subtle, delicate, very light, ultra clean blue with blue-white beard changing to lemon in the throat is waved and fluted, with leathery substance, long lasting flowers and strong stalk with three branches plus spur artistically spaced. It has good, healthy foliage and tremendous increase. It is somehow reminiscent of **REHOBETH**, a glorified **REHOBETH**, refined and perfected in a very special way.

Seedling 111—W. W. Steinhauer. Tall, dark, handsome and very smooth is this waved and flared deep blue violet. It has a sturdy stalk with fine branching and really put on a show as a first year plant. Very elegant. There are several seedlings from this hybridizer which are good.

FASHION TREND—D. Palmer '73. Clean, light orchid blue of flaring form and ruffled parts. Beard is the same color as the flower but tipped with gold at the throat. The attractive stalk has three way branching plus

spur and the plant increases well. Here is a typical case where the color is not new, but the personality is.

Seedling 9-19-E-1—Opal Brown. This is a real standout, waved, ruffled and fluted with almost horizontal falls. The color is subtle but I would describe it as being salmon with gold overlay in the hafts. It has a tremendously heavy and startling deep coral beard, three branches plus two spurs perfectly spaced on a strong stalk, healthy foliage and good increase. Opal seems to be getting a lot of things with almost unbelievably fantastic beards.

LOUDOUN LASSIE—George Crossman '72. Uniformly outstanding performance in all four gardens in which it is growing, it has ivory-pink standards, true orchid falls with lighter area in the center around a deep coral beard. This iris and another in the "Loudoun" series, LOUDOUN CHARMER, '73, are a marvelous pair. Both are laced and ruffled with good proportions throughout and very distinctive. They are of similar coloring, LOUDOUN CHARMER being the pinker of the two. These irises are named for Loudoun County (Lou pronounced as in al-low and down pronounced down) which is the home county of the hybridizer. I make this explanation because in Philadelphia I heard it pronounced "Luden" as in cough drop and just plain "lowdown."

There are other varieties that bloomed in 1973 which I feel will probably attract convention visitors in 1974. Most had freeze damage but each had many excellent qualities and all had a great deal of distinction.

Seedling T-142-18—Babson. Ivory standards with blue-violet midribs, orchid falls banded ivory and ivory beard. All parts are waved and fluted and the stalk is well branched. However, the plant was not overly generous with increase.

RAMONA S.—Eva Smith. Clear, clean orchid bordered with a silver band, this is a frothy, ruffled creation. The stalk was short in 1971 but it is definitely one to watch.

COUNTRY MANOR—Mrs. Richard Kegerise. This warm white beauty which deserved and won the President's Cup at Philadelphia did not reach perfection in our gardens in 1973 but showed its quality beyond doubt.

NIGHT FROST—C. Benson '72. A cool white ruffled child of HENRY SHAW x SKYWATCH is an improvement over the former and has somewhat the form of the latter. This lovely iris, which showed only nominal increase, has been moved to a location in the garden which I hope will prove more to its liking.

Seedling 9-19-E-8—Opal Brown. Dusty orchid standards waved and ruffled with gold overlay at hafts becoming lighter and extending down into the center of falls which are bordered the same dusty orchid as the standards. Here, as in 9-19-E-1 mentioned above, the thick, prominent, deep coral beard sets off the flower. Strong stalk but high branched on first year plant.

TITIAN GOLD—Rudolph '73. Delightful old gold with brown overlay in standards and around edges of falls; ruffled and fluted throughout with pleasing lilting form. A huge, heavy, deep gold beard literally consumes the throat of the flower. Increase adequate but stalk rather high branched on one year plant.

DAWN POETRY—Les Peterson. This ruffled and fluted beauty has standards of a subtle peachy-pink with lighter falls banded in pink. An area with a hint of blue surrounds the beard. The stalk seemed somewhat tall and the branching a little high but I believe this was the fault of the season and the garden location and not of the plant.

MYSTERIOUS—Schreiners. A really exotic variety, well named, with standards violet overlaid bronze, violet falls, bronze banded, brown shoulders and deep gold beard. When this one gets established it should create quite a sensation.

Seedling 68-94—Frances Brown. A clean, clear, true pink, large with ruffling and fluting and heavy pink beard. The stalk is well branched with good bud count. The increase left something to be desired but this was no doubt due to the fact that the hybridizer had only small rhizomes for distribution in 1972. Probably 1975 introduction.

HOMEWARD BOUND—D. C. Nearpass. This delicacy gets my vote for perhaps the loveliest flower in the garden with pink-white standards and light blue-violet falls, beautifully branched (4 plus spur) and lots of buds. Personality plus, a truly handsome, refined iris. The only reason it is not at the top of the near perfect list is because it was rather stingy with increase and may have a tendency to bloom out so this very meticulous hybridizer is not releasing it in 1974. However, I am of the opinion that it may prove to be one which simply needs a little extra care, and if so, believe me, it will be more than worth it!

Some others which I will not attempt to describe because my notes are not complete are interesting irises to watch for and will probably make my near perfect list in 1974.

SOFT MOONBEAM, F-1388A, E-355-1, **SILVER SHOWER** and **STARINA** from the Schreiners; **LAUREATE**, Julander; **STARRING ROLE**, D. Palmer; **LILLIAN TERRELL**, Bledsoe; **TOUR DE FORCE**, Tompkins; **VIRGINIA SQUIRE**, Gaultier; **VERVE**, Ghio; **JEWEL WINGS** and **BLUE RIDGE ECHOES**, F. Brown; **DREAMIN' BLUE**, **DREAM FANTASY** and **FULL TILT**, Niswonger; **ORCHID FLASH**, Mayberry and **GOLDEN INGOT**, Plough.

The plants I have mentioned conceivably may not live up to their promise in future years but I'd be willing to make a small wager on the success of most of them.* Why don't you come to **CONVENTION '74** and see for yourself that, truly, **VIRGINIA IS FOR IRIS LOVERS!**

NOTICE TO AIS HYBRIDIZERS

Since one-year growth will be enough to assure good bloom at the National Test Garden site for the 1975 convention, the 1975 Test Garden will be open in 1974 to receive test garden seedlings, not to exceed three in number. These must be seedlings not yet introduced in commerce, and not exhibited in any other garden on tour or at the Michigan Convention. Please send entries directly to Dr. Clarke Cosgrove, 1975 Convention National Test Garden Supervisor, 8260 Longden Ave., San Gabriel, CA 91775. Clearly label plants for the 1975 National Test Garden.

Please read the rules on page 55 of **AIS BULLETIN #210**, July, 1973, for further details.

HARRY B. KUESEL, *Chairman*
Test Gardens

Rebloom in the 1974 Convention Beds

LLOYD ZURBRIGG

Fall bloom has been quite delightful here in Radford. In the display beds at our home, excellent stalks have come on AUTUMN ASPEN (Foster), GOLDEN ENCORE (Jones), TOUCH OF SPRING (Applegate), ARTISTIC GOLD (Denman) and the SDBs LITTLE BLACKFOOT (Reinhardt) and TWICE BLESSED (Dennis). As I write on October 21, the first blossom of MAGIC MEMORIES (Nichols) has opened, and its pronounced ruffling is very attractive. On three plants there is a fine stem on each, and each had the terminal full of color today. These were planted the third week of August. There is also a pink seedling, J 68-44-D (Jeffries) that has excellent color and smoothness.

In the Convention planting at Radford College, the star performer has been BONUS (Dorothy Dennis), an almost constant bloomer from mid-summer on. Another median remontanant is the new ANTIQUE LOVELINESS (Paul R. Smith), which is a yellow bicolor. The MTBs are represented by TWO FOR TEA, which gave three stems in August. EMMA LOUISA (Buckles) and SOUTHERN SPY (Zurbrigg) put in welcome appearances in October, along with the smooth pinkness of J68-44-D from Jeffries. This planting is under the supervision of a fellow professor at Radford College, David Merrill.

We all look forward to your visit next May. Yo'all come!

The field garden at the home of Helen and Buddy Trigg, also AIS members, has been completey reset, with a long period of enforced dormancy, so there is no rebloom except on four rows of new seedlings. A yellow with white in the falls has four stalks open now, but does not quite show its two grandparents, WINTER OLYMPICS and MUSIC MAKER. There are two novelties from the controversial O MY GOODNESS. In these the blending of violet and gold is very subtle and intriguing. Their other parent is a reblooming novelty from COMMENTARY X PURPLE DUET.

The Nesselrodt-on-the-New garden at the home of Mrs. Minor Wine Thomas has over forty varieties in bloom. Apart from HALLOWEEN PARTY, JAUNTY TEXAN and RETURNING PEACE, these are all new seedlings. Blue Ridge Chapter judges agree that a violet with blue beard from VIOLET SUPREME X JOLLY GOLIATH is an outstanding new one. Rena Crumpler compares it to NEPTUNE'S POOL in form. A sibling in redder tones opened today, having its blue beard atop white crests. Both are unusually large, seven and a half inches across, with hafts over three inches wide. An amoena and a neglecta in this same cross have been attractive.

The earliest fall blooms came on two crosses from a very wide chartreuse amoena out of GRAND BAROQUE, the other parent being a seedling from Schreiner's CRINKLED IVORY by a remontanant. This amoena is coarse, and its stems tend to crook, but it is an outstanding performer of huge size and great substance. Crossed with CROSS STITCH, it gave 75% maiden bloom this summer and fall, the cross being transplanted out in the summer (not spring) of 1972. Colors were very varied, as might be expected, ranging from white through many blends, to pale plicatas. From the same seedling crossed with pollen of GOLIATH'S MATE came a

similar wide range of color, but more bitones and bicolors and one good amoena. Today a bicolor with six open, uncrowded blooms was making an impressive show. The best, and almost the earliest was a blended yellow near-amoena of excellent form and substance.

The pinks are well represented by four maiden blooms on the cross of MARY MARIA X NOW AND LATER. These are not as opulent as many of the above, but are medium large, of clean color and excellent texture. There are a great number of plicata seedlings, the three best all coming from the cross of HALLOWEEN PARTY X (HOUSE OF LORDS X DA CAPO), all taller than the pod parent, but inheriting its lace.

Frances and Allen Brown of Roanoke have paid us two visits this fall. Frances, a senior judge and discerning hybridizer, was captivated by a new "unblended" blend out of O MY GOODNESS, the other parent being a color novelty from COMMENTARY X PURPLE DUET. Three of this cross are presently open, and two are quite attractive in their mixture of violet and gold, the colors being smoothly "half-blended," without the stripes of O MY GOODNESS.

Fred Stephenson, our 1974 Convention Chairman, picked as his favorite, H 65, a huge, ruffled orchid amoena, in which the tinted orchid standards are matched by a border on the falls. The tangerine beards are tipped orchid, and all the orange is hidden in the heart of the flower. For one who has been tinkering with amoenas for decades, it is a comedown to have to admit that this remarkable arrival is from two selfs! (PRISSY X DEEP DAWN) X Niswonger 1-70 is its parentage. Dave's seedling is a sib to LILAC TREAT, sent to me because of its reblooming propensity. A pink sibling is showing color in this cross.

Since the rebloomer-bred seedlings average a week earlier than peak of tall bloom, it is expected that many of them will be in bloom by May 18, 1974, just as they were this year. The median enthusiasts would visit the gardens here and in Blacksburg before the Convention, while the remontant lovers would do well to spend an extra day or two at the end of the Convention. Jeanne and Nelson Price of Blacksburg have a planting of Convention guests, both median and tall, in their lovely garden. They delight in growing our Avonbank introductions better than we do and succeeded with such a coup this fall, producing two exhibition stalks on JAVA SUNBIRD. Our pleasure was unbounded when Jeanne presented us with a watercolor of one of the stalks, which will certainly be on display in the crafts center at Convention, though not for sale.

Another Convention Garden

F. G. STEPHENSON, *Convention Chairman*

Recognizing that we have a number of people attending each AIS Convention, who come to see IRISES. . . . Some are quite disturbed when time is devoted to other attractions. With this in mind, much thought, both pro and con, was given as to whether Holly-Rock Gardens should be included in our tour of the Blacksburg-Radford area. After visiting the gardens in the early Spring, at iristime, and again this Fall it was felt that we would be doing our members a disservice in not including it for your enjoyment. There was no doubt left in our minds that the gardens were distinctive and interesting enough to appeal to the vast majority

of our guests. Mr. Bennett (Bill) was contacted and graciously consented to having our guests visit Holly-Rock, so, it has been included in the Tour for Saturday. In order that each might be better prepared to enjoy this Convention treat, we present the following article by Mrs. Nelson Price whose garden is also on tour.

Holly-Rock Gardens

JEANNE W. PRICE

Just South of Christiansburg, the County seat of Montgomery County, one of the largest and most beautifully landscaped gardens in the East will be found, namely, Holly-Rock Gardens. The gardens are a very special treat and one of the highlights of the convention tours; a place that will delay each bus from its normal schedule by the gardens expanse and plant material; a man-made garden with foresight and selectiveness by innovation through love of beauty . . . growing beauty; a place where a whole new world of gardening is opened to you.

To the right of the driveway, you may be greeted by browsing English Fallow deer or graceful Australian Black, South American Blackneck or Royal Mute swans that are rare to the area but nod their heads in contentment with the wild ducks and geese that are native. Many varieties of peafowl roam and patrol the gardens while Indian Ringneck doves who have established free flight in the gardens signal from above.

Looking into the heart of the garden which can be seen from the bus, stands a glacial granite boulder from the Gaspé and Saint Lawrence river. This more than seven ton boulder was literally moved to the Bennett garden from Quebec, Canada and the trek to Virginia is a story within itself. To enlighten the convention visitors, when rocks are larger than one foot in mean diameter they are called boulders and with the most exciting individual character. For the most part they are too large to have been water-transported for any great distance and therefore are not uniformly rounded. Their sculpturing has been done by water, temperature, and chemicals. This rock, as with most other objects of size awes, astounds, impresses and lends dramatic treatment to the garden. The plant materials combined with the texture and character of such a mass leaves the feeling of massiveness and strength.

The circular driveway leads to the Bennett Georgian Style home that is situated so that beauty from any angle is evident. The home will not be opened to visitors but one may visualize from the plantings on the grounds that each complements the other to the nth degree. From the side garden we will meet William (Bill) and Thelma Bennett, who also complement their surroundings with their charm and graciousness. Both are transplanted Virginians and are the parents of Ellen, whose interests are as varied as those of the parents. Bill is a graduate of VPISU in Horticulture and is Superintendent of Buildings and Grounds for the University. Many fine examples of his landscape knowledge will be noted and are to be admired on the drive-through tour of the campus.

To tour the garden in sheer enjoyment is to "just follow Bill" and listen to the wealth of plant knowledge that pours forth. Notepads are a MUST for too often plant names are forgotten once you return home with the

intent of re-doing an area of your garden. Better still, a CAMERA is one of the best ways to carry a garden plan home for you will be seeing rare plants, mutations, natural growths that are original, distinctive and personalized. Most all of the plantings are complete, even to accents and dominant centers of interest.

It is impossible to list over a thousand varieties of plant materials to be found in this garden. However, the following are featured: dwarf and unusual conifers, over fifty varieties of yellow fruited American Holly, in excess of seventy five named varieties of Japanese Maples, including both palmatum and japonicum. There are countless varieties of magnolias, crabapples, flowering shrubs and bulbs in abundance and all beckon with their beauty to touch, feel and smell, not to speak of observing and studying their lush growth.

Most gardeners think in terms of "outcrops" as being necessary to rock gardening but the Bennett garden is proof that a rock's role in the landscape does not have to be of natural emergence. Rock is an important qualitative material in the landscape symbolically, structurally, spatially and sculpturally. Naturalistic settings may be man-made because of the quasi-sculptural or object-interest quality of many rocks. Rock groupings may have the contents of sentimental, symbolic or scientific nature and this garden has developed by application of design, principals of unity and variety, interest and harmony, dominance and contrast, and rhythm and balance unequaled elsewhere. When all of these facets are brought forth and graced with plant materials that enhance a garden, then, with Bill's eye for beauty and distinction, he could well be dubbed "the man who moved a mountain."

Each visitor will go home with many ideas that will be effective on his grounds; plant material will take on new meaning for perhaps the old shrub you have threatened to get rid of will give line, form and balance to an area "where something is needed"; the old rock that has hindered tillage or mowing may be used as sculpture enhanced with a touch of the Orient with simply a maple or even, small stones or sand—there is a completed plan or setting awaiting your ideas at Holly-Rock Gardens and all that is needed to rejuvenate your garden plan is "just follow Bill."

The Bennetts extend a warm welcome to each of you!

Radford and Blacksburg Gardens ***On 1974 Convention Tour***

LLOYD ZURBRIGG

The gardens of Lloyd and Margaret Zurbrigg are unique in being focused around the cold-climate remountants. Lloyd's hybridizing program has concentrated on producing cold-climate remountants of high quality, and the most promising results of this search, both named introductions and seedlings, will be seen in display beds within a hemlock hedge at the Nesselrodt-on-the-New Garden at the home of Mrs. Minor Wine Thomas as well as in the display beds at their home. Also at the Thomas garden will be seen a tall bearded guest seedling bed and many rows of both

named varieties and seedlings. Last fall many new outstanding remontants drew the attention of guest iris judges. It is hoped many of these will bloom again in the spring so as to catch the eye of our visiting Conventioners.

The median guest irises, ranging from MTB down to MDB, are all planted at the Zurbrigg residence, 903 Tyler Avenue, in raised display beds. While there is almost no chance of the MDB's being still in bloom, some SDB's are likely to be still open on May 18, and it will probably be the height of the intermediate season. This of course means "if the season is normal," but so far it has not been normal, and already (in early February) the jasmine is in bloom and many bulbs high above the ground with their foliage. Some tallers were in evidence on May 18 last year and at the Nesselrodt-on-the-New garden, there were many tall-bearded seedlings in bloom, for the remontant-bred seedlings are easily a week ahead of peak bloom on the ordinary tallers, which is usually May 22-24 here. So I recommend to those of you interested in the SDB's and Intermediates that you plan to visit our gardens prior to the Convention since these gardens will be on tour the last day of the Convention. However, be the season early or late, and barring hail or freeze, there will be lots of irises to be seen in these gardens. There is also another tall-bearded and seedling garden located at the home of Buddy and Helen Trigg which is to be a back-up garden on the tour if needed. We will be glad to show this garden as well to those who visit us on their own.

The perennial rains of the past two years have moderated, and with this change Lloyd's old interest in the aril-breds revived enough for some of these to be purchased, in the hope they will not be rained out this spring. In a normal season, May 18 ought to catch the tall aril-breds right at peak. However, they are planted alternately with the very newest and best of the remontants, and these will mostly take whatever the weather has to give. Three display beds featuring rebloomers is surely a record for any AIS Convention to date. There are also many new non-remontant introductions in the event that the season should be very early. There are beds of Spurias, Siberians and Japanese, since Lloyd belongs to these Sections, but they almost certainly will not be in bloom on May 18, unless we continue to have this early spring weather. (How nice if one could, as was the case at Berkeley.) Margaret grows over 175 varieties of daffodils, 40 varieties of chrysanthemums (being a member of both national organizations), tulips, dahlias and hemerocallis to complete the house garden.

The planting of the median guests and median display clones at Radford College has been under the care of David Merrill (Chemistry professor at Radford College). It is in excellent condition. Here the raised beds are not bordered with blocks, but have a mulch of wood chips, which has helped them in the summer heat. The raised beds seemed to give a high mortality rate last spring, because of a late freeze, but this will certainly not be repeated on the established plants. The beds are located in a quadrangle which gives them excellent protection from prevailing winds. The four new dormitories around them, in colonial architecture, add to the beauty of the site.

Traveling to Blacksburg, Convention members will tour the garden of Jeanne and Nelson Price. Here twenty-five hybridizers' irises, sent as

guests, will be seen growing in excellent condition. They range from SDB's to a few TB's. With the exception of a few new irises under number, most convention guests will be seen in duplication on one or two year growths for they have been guests in the garden for some time, prior to the convention distribution. The Price garden is not by any means a small one for it grows nearly 400 varieties of tall bearded and has one of the largest collections of Siberians to be seen in the tour gardens. It is an up-dated garden with less than eight varieties being older than five years from the date of introduction. These are grown as specimen plantings, as well as with other plant materials such as English lupines, native and hybrid lilies, English daisies, roses, clematis (native and hybrid), delphinium (Italian), annuals and perennials. Native plant materials are numerous and well grown in season. Both of the Prices are collectors of the rare and native growths and supply many botanical gardens with their findings and the results of their propagation. Due to the varied specimens in this garden, it is often used for outdoor plant identification by Virginia Polytechnic Institute and University instructors. While irises predominate in the overall picture, native plant blossoms will also welcome the convention guests. Their garden is as they like it, and we are sure you will too.

HAVE YOU SEEN A U. F. O.?

FRANKLIN E. CARR

This season keep alert for U.F.O.'s. Yes, Unidentified Flowering Objects! Invariably at annual shows the classification committee faces a problem of trying to identify some unknown iris "floating about" the exhibition hall. The specimen eventually is either properly classified and tabled or disqualified. Rejection certainly dampens the enthusiasm of a prospective exhibitor. He has seen his "pretty specimen" outshine other perennials in the garden. He has learned of the iris society's show: "Open to all." He carefully transports his "prize winner" to the showplace only to be disappointed because he has a U.F.I., in other words, an Unidentified Flowering Iris.

Having served on many classification committees, I have seen this happen. I have also overheard comments from spectators, such as, "I would have exhibited if only I knew the names of my irises."

I think something should be done to encourage these people to exhibit. I suggest a special U.F.O. (or U.F.I.) class to be included in a show's program; a class which will not receive official A.I.S. awards but special awards from the local society. Ribbons and rhizomes of named varieties would be appropriate awards.

After some recognition is given to an unknown iris, I am certain its proud owner will be inspired to grow and exhibit known and up-to-date irises. Who knows but within a few years' time our U.F.I. friend may be taking "Queen of the Show" with "Stepping Out"!

HOW TO REGISTER AN IRIS NAME

Read Chapter 9 of the AIS Handbook (see page 105) and send \$3.00 to Kay Negus for a registration blank this spring. Record important items as height, color, number of branches, number of flowers.

Kay N. Negus, 27226 Lana Lane, Conroe, Texas 77301

Problems in Bearded Iris Classification

BEE WARBURTON, *Classification Chairman*, Median Iris Society

That the present classification fulfills its major purpose is clear for all to see in the bright array of splendid new garden perennials that have resulted from its becoming the official classification for the world's iris registry. Since we are not primarily botanists, and are concerned with the species irises mainly to tame them to conform to civilized notions, a truly botanical classification would be quite useless to our purposes; and since both nature and man have transformed them into the vast hybrid melange of bearded irises grown in all parts of our earth's temperate zone, it has long since become impossible to sort them into such groups as *pumila*, *aphylla*, *cengialti*, *pallida*, *variegata*, or *asiatica*, according to any notion of which predominates in their appearance and habits.



Marie Cailliet talks while Bee Warburton drinks and an irisarian in the background is stricken with iris fever:

Photo by Rosa Belle Van Valkenburgh

To go to the opposite extreme and separate all bearded irises by height alone is deadly. History has proved it so, and for us to repeat errors made by our predecessors in good faith, when we can see results unforeseen by them, would be folly. The so-called "inches" classification has been tried by the AIS over long periods of the past (1938-1948; 1953-1958), and history clearly shows that while it was in force it effectively stifled nearly all production of small bearded irises.

Let us consider again the long drouth that followed the classification which lumped in 1933, the smaller diploids with the true intermediates. The lumping seemed reasonable at the time, since both the diploid TBs and the true intermediates were being overrun in the rush for the advance of tetraploidy which brought greater height, size, substance, color range, and all the qualities sought by gardeners, but whose effect was also to eliminate nearly all effort at improving the smaller bearded. Even those sturdy souls, the Sasses, who marched always to their own music, were persuaded to register just 18 of the many thousands they grew in following their dream of new combinations of genes from any possible source. Bob Schreiner's excellent introductions and his classic review of the true intermediates¹ had some effect for they started Wilma Greenlee off on her long love affair with the class, but these were all rare oases in the desert of neglect.

The logic of the situation is clear—no recognition, no production—no production, no wide-open selection. However, because of the low fertility of the hybrid intermediate types, selection had to be from the first generation of crosses of tall bearded with 40-chromosome hybrids, and because neither of these parent types had been improved, the immediate results were not entirely encouraging. It took replacement of the limited "chamaeiris" types with the pumila-talls, added to the glorification of the tall bearded themselves, to make the modern intermediates which could not possibly be ignored. A special class for them became inevitable.

So, the "new" classification, which is nearly 16 years old, brings to the new pumila-talls (standard dwarf bearded, lilliputs), recognition apart from that of the smaller dwarf bearded, and necessarily in a different class; and to the new intermediates full recognition for their welcome earliness as well as for their individual beauty. At the same time, it brings recognition to the smaller later irises separately, and, in addition, to those close-to-species diploid types that everybody loves because they remind us of our origins and have the charm of nostalgia.

Any classification will have its problems, but the problems in the bearded classes are not as much those of classification as they are of standards for awards, for there is always a gap between what may be registered in a class, and what is considered awardworthy in that class. The judge must understand both; he must first be able to make sure that a variety fits in the class in which it is to be judged, and then to judge its quality by the class standards. Both types of judging have a tremendous impact upon the production of new varieties, so that the vast majority of those registered and offered will have been quite literally shaped into conformity by the recommendations of the judges.

Each bearded iris class has its problems, and understanding of these has been the repeated theme of judges' training for the past 15 years. The

collective judgments have steadily improved, but there are still problem areas. Let us consider these for each of the six classes of bearded irises:

1. *Miniature dwarf bearded* (MDB). The problems of this class have been fairly well solved, but the inclusion in the class of shorter-than-average pumila-talls is considered a danger to the preservation of the daintiness of stem and flower that is the chief attraction of the miniatures. An overlap in height for the two dwarf classes, which the classification separates at ten inches, has often been proposed, but any height overlap might require more knowledge on the part of the registrant than could be expected of the newcomers we need to keep our society growing. We have always used the height statement to make sure that any borderline iris is placed in a class where it belongs by other qualities. ZING, for instance, seldom grows to 10 inches, but is a famous and highly praised standard dwarf.

2. *Standard dwarf bearded* (SDB). This class has a wider variation in height than its registration limits of 10" to 14" inclusive which are actually oppressive. Advanced generation progenies of tall bearded X pumila tend to settle down to an average 8" to 10", or alternatively, to grow up to an average of 14" to 16". Some very good standard dwarfs are at the upper limit, for example, LACED LEMONADE. The spread for this class really should be set at 8 to 16 inches, but this would require the overlap which we consider a dubious answer. So far we have registered the lower limit as 10 inches, and the upper limit as 14 inches; but then, who could state accurately the average height of any one variety as it is grown everywhere? The important thing in any case is that the flowers be in proportion to the height. In general, the smaller flowers, if there are enough of them, are more becoming to the SDB cushion habit of growth. At any rate, a pumila-tall cannot compete with an intermediate, even at the same height, for it will almost never have the required branching and number of buds.

3. *Intermediate bearded* (IB). This class has more problems than simply the inclusion of the taller standard dwarfs; the chief of these problems is the borderline again, with the question of classification of varieties of intermediate type of breeding with overlarge flowers and short stems. TOWER GROVE is one of these, with beautiful flowers, registered as standard dwarf; DANDELION is one registered as intermediate. Either one may grow up over 15 inches at times, but both have flowers overlarge for the height.

Overlarge flowers are always a problem in any class, for without intention breeders tend to select them, judges to vote awards for them, and gardeners to grow them. Consider my BERRY PARFAIT, which I registered in 1957. It has great color and branching, but its flowers and foliage are overlarge. A then-future President of MIS told me that he would never speak to me again if I introduced it, because it was sure to win awards. Because it was distributed I finally introduced it in 1969, when all danger of its winning much was past.

The really important distinction for the intermediate irises is in their season of bloom which is intermediate between the dwarfs and the tall bearded. The most frequent complaint about the classification is that this should not be enough to justify having a separate class for them. However,

as we have previously discussed, in those periods of AIS history when earliness was not a requirement for separate registration and awards, almost none were introduced except by those independent mavericks who don't require recognition to carry on their experiments. Although we are beyond words grateful to the Sasses and Paul Cook, along with a few others, the facts of iris life are that it takes a large number of workers to produce enough seedlings to make top-quality stock from which the next large number of workers will produce top-quality stock, etc., and during the process, a reasonable number of good garden irises will emerge.

In the AIS judging rules, earliness of season is not something to be judged as part of the class standards, but is a necessary qualification for the class, and it becomes a problem when varieties from the right type of breeding bloom at the wrong time of the iris season. Varieties that are seen in full flower at a convention, unless it is one of our bud conventions, should not be considered as fitting in the intermediate class, though because they are favorably seen, they stand a good chance of winning top awards for which they don't qualify.

Although season of bloom is a serious problem, proportion is the most vexing problem in all the bearded classes. In some ways, our view of the proportions of our plants is arbitrary. For instance, the ideal flowers for both SDB and MTB are of the same size. All problems of variability in the MTB's might be solved by crossing the SDBs into them, as some breeders are trying to do, but in the meantime, consider that a flower of combined height and width of 6 inches on a 10" to 14" stem is considered excellent in proportion in the SDBs while flowers of the same dimensions are required for the 18" to 24" height which is considered most desirable for the table irises. It is even true that the larger flowers of the taller SDBs are overlarge for table iris specifications, with a stem several inches taller.

4. *Border Bearded (BB)*. Our mind's eye holds a different outline for the proportions of the border and tall bearded classes. The Median Society once made a study of the border irises in which actual measurements were compared with subjective evaluations of the proportions of the plants.² What evolved was a rule-of-thumb, which has proved useful for evaluating the BBs and TBs in relation to the *current taste* in balance of plants. We must never forget that styles in plants change as inevitably as in dress, or hairdos, or alas, shoes, but the consensus of those who seriously studied the problem was that the flower should be, in combined height and width, about one-third of the height of the stalk to the terminal flower. Usually intermediate stalks tend to be slightly shorter and with slightly smaller flowers than those of the BBs, but the border irises more often run into problems of unpleasing imbalance, with flowers of tall-bearded size on the border-height stalk. This seriously injures the integrity of the class; much has been written about this point lately, and nobody has much idea what to do about it, except to keep alerting the judges. Some of our more intrepid hybridizers have registered their borderline irises as short tall bearded, though usually not because of lack of proportion but because the stem tends to length above the BB limits as is the case with *SHORT STORY* and *RUFFLED CHERUB*, for instance. Although these are beautiful and useful plants, they stand

little chance of recognition in competition with the bigger tall bearded. Since such plants, if officially in the BB class, stand a very good chance of winning the top awards, their originators can hardly be blamed for so classing them. Theoretically, this should be a problem for the tall-bearded specialists, and it is rather unfortunate that they have no special organization to work on their particular problems, such as what to do about the smaller varieties, which are, if recognized as such, overlooked in the awards lists. To set their stated registration (and catalog) heights as 34 inches, as is often done, is hardly a good solution. Such varieties should, of course, be recognized as the excellent plants they are for purposes requiring smaller tall bearded. Even short tall bearded with large flowers have their proponents, and valuable garden purposes where they are favored; but to squeeze them into the border iris class for recognition makes the BB afficianados indignant and unhappy.

What has the Median Society been doing about problems concerning the four median classes, besides all our efforts at judges training? In the first place, we maintain an active classifications committee, which, in addition to its chairman, consists of the Subsection Vice-presidents responsible for the affairs of our individual classes. At present they are: SDB, Dorothy Willott; IB, Larry Harder; BB, MayBelle Wright; and MTB, Jean Witt. The American Iris Society's Registrar, Kay Negus, cooperates handsomely by sending us carbons of the pertinent registration slips. These are sorted for errors, and any questionable ones are sent to the appropriate vice-president for inquiry of the registrant. We cannot change his registration in any way, but we can try to make sure that he understands.

We question, for instance, any standard dwarfs, intermediates, or table irises that result from purely tetraploid tall-bearded breeding. Since the TBs are so very polymorphic and segregate into such a broad spectrum of types, it is always possible that any genuine member of these classes may come from a TB cross, but it is unlikely. It is usually much more likely that the vagaries of climate and culture may have deceived the breeder into an evaluation that won't stick, in other climates and cultures. We try to persuade people to try out their babies elsewhere before taking a chance of getting them improperly classified. The miniature tall is particularly susceptible to later changes in overgrowth, but the border irises are, in this respect, nearly the despair of those who specialize in them. A good BB that actually STAYS in its class through all its trials is quite a rarity, as convention-goers well know, for in the intensive culture of convention gardens they are most often seen too tall.

As for a variety that remains registered in a class in which it is not acceptable, if our judges perform their duties properly, it will be left behind in the race for recognition. Witness the story of LILLIPINKPUT, a small intermediate but still not quite small enough to qualify as a standard dwarf. Registered as SDB it floated along on a wave of praise, but no top award, until it was reregistered as IB, whereupon it pinned down the Hans and Jacob Sass Award with all rejoicing.

One of our serious problems has been trying to cope with the results of the rapidly shifting classification of the decade 1948-1958.³ Briefly, the classification by height alone, established in 1933, was ended in 1948 by a so-called "Botanical" classification. This was interrupted in 1953 by a

reversion to the yardstick, which was superseded in 1958 by the establishment of the present six bearded classes, soon after the organization of the Median Iris Society. In 1960 the Median Iris Society became the Median Iris Section of the American Iris Society. At this point the new section was faced with the fact that its first and most famous SDBs were variously registered as DB or IB. The American Iris Society cannot make its registrations retroactive when classification is changed, but individual changes can, of course, be made by registrants. In spite of every effort, results in this were spotty, and some discrepancies remain on the books. The AIS has overlooked these in its awards lists, and indeed it would have been absurd for GREEN SPOT, for instance, which has been accepted as the very foundation of the standard dwarf series, the first winner of the Cook-Douglas Award and a winner of the Cook-Douglas Medal, to remain listed as an Intermediate.

The MTBs present a more vexing problem, since many small bearded irises which are registered as table irises do not conform to the specifications established for their qualification. This is the only class with actual specifications, and the American Iris Society has accepted both the specifications and the list of qualified varieties for awards furnished by this subsection of the Median Iris Society. However, evaluating contenders for the class has become a serious problem. Judges will have to examine candidates with care, or unqualified irises will be winning awards.

This brings us back once more to the very nub of the problem, which Fitz Randolph has expressed succinctly, "It seems that in the minds of many, there is considerable confusion between what constitutes an iris of a certain type, and what constitutes a GOOD iris of a certain type," that is, the difference between classification, which must take in everything, and standards, which take in only those that conform. This does not mean that we must give our awards to the mavericks or to the mongrels, even if the public likes them best. That's why we have judges, and we make every effort to see that they understand the standards as well as the classification. All of which doesn't mean that people don't have the right to grow anything they like in their gardens!

1. Schreiner, Robert, *Review of Intermediate Iris*, BAIS 81:38, April 1941.

2. *Measurements*, Medianite 3:19; 4:90, 93; 5:25, 44; 6:14-15, 19; 7:14, 15, 26-27; 8:53.

3. Classification

Randolph, L. E., *Chromosome Numbers and Classification of Bearded Iris*, BAIS 107:68-78, Oct. 1947.

Ibid., *Horticultural Classification of Bearded Iris*, BAIS 136:1-9, Jan. 1955.

Ibid., and Lawrence, G.H.M., *Classification of Eupogon Irises*, BAIS 148:9-17, Jan. 1958.

PROFILE—STEPHANA WOODSIDE

Mrs. Stephana Woodside, Redlands, CA., in speaking of her iris hybridizing, says, "I was born sixty years too soon." Mrs. Woodside is eighty-seven years of age, and with the procession of superior irises coming from her garden, we would say the point is well taken. With POP O' SHA the beginning, she has gone on to develop a number of superior irises, including one called WIND RIVER, which has caught the attention of many irisarians, with its up to eighteen blossoms per stalk. With such a record, we say "Eighty-seven years young," Mrs. Woodside.

Factors Influencing Germination of Japanese Iris Seeds and Health of the Sprouted Seedlings**

CURRIER MCEWEN

As noted in reports of our efforts to induce tetraploidy in Japanese irises (1,2),* two serious handicaps to these efforts have been: 1. the extremely poor germination we have encountered in the seeds on moist filter paper, which is an essential step in the method used, and 2. death of sprouted seeds from infection before they could reach a stage suitable for treatment with colchicine. In the hope of overcoming these problems, we have tried a number of measures with seeds harvested in the fall of 1971 and 1972 to see if they might help solve them. It is the purpose of this article to report these trials.

EXPERIMENTS CONCERNED WITH GERMINATION

A. Dry or moist Storage: In previous years our Japanese iris seeds have been stored in small paper envelopes in the dry state. In September 1970 and 1971, however, a few batches of seeds were dusted with Arasan in the hope of preventing fungal infection and were placed in small plastic bags with 2-3 drops of water; and the bags were then sealed with twisted wire. By March when they were removed to Petri dishes most of the seeds were still somewhat moist. Evidences of mold were found in very few of the batches; and in contrast to previous experience with seeds stored in the dry state, germination was quite satisfactory. Hence, the usefulness of moist storage was tested more thoroughly with the seeds harvested in the fall of 1972.

Fifty-five pods from 28 crosses provided 2,280 seeds. Most of these pods harvested in August and September 1972 were placed in paper cups and allowed to dry for 10 to 12 weeks to await a less busy time of year. Nine pods, however, were placed while still naturally moist in plastic bags which were sealed and kept at room temperature. This was done in accordance with a procedure previously used with Siberian iris seeds which I had learned from Mr. Eckard Berlin of West Germany. Subsequently, in December, the bags were opened. All the pods were still moist and most were quite moldy. All seeds were removed from the pods and were dusted with Arasan as a precaution against mold. Each batch of seeds was then divided into equal portions and placed in small plastic bags. All were somewhat moist. To some packets 2 to 6 drops of tap water, depending on the number of seeds, were added before the bags were sealed, whereas others were sealed without additional moistening.

The 46 pods which had been allowed to dry were opened in December also. Their seeds invariably were quite dry. These, too, were dusted with Arasan and were divided into packets, 38 of which received 2-6 drops of water before the bags were sealed. The remaining eight packets were sealed without addition of water. All packets were then stored in the refrigerator at 35-37° F. In March 1973 all packets were opened and the seeds were placed on sterile moist filter paper in Petri dishes at 65-70°F. All seeds stored with the addition of water were still moist. Those from dried pods without water were, of course, quite dry. Most packets

*Numbers in parentheses refer to references at the end of the article.

**From "The Review" (Soc.Jap.I.) by permission of author and editor.

showed no evidence of mold but in 3 a few seeds were moldy and were removed. All the packets from one of the crosses were grossly molded and were discarded. Results with regard to germination are shown in Table 1.

TABLE 1.

Prior state of pods	Storage condition of seeds	Number of seeds	Seeds germinated		No. of days before first germination
			#	%	
A. Bagged*	Water added	150	124	83.	4 to 7
B. " *	No water added	88	16	18.	7 to 13
C. Dry	Water added	1920	1605	83.	4 to 7
D. "	No water added	330	6	1.8	21**

* Pods kept moist in plastic bags 10 weeks prior to removal of seeds.

** In 2 of 7 batches. There was no germination in the other 5 batches kept 60 days before they were discarded.

The importance of storing the seeds in the moist state (Table 1 lines A and C) is apparent. Indeed the addition of water was very helpful even in the case of the seeds from pods which had been kept in plastic bags and which therefore were somewhat moist when removed from the pods (Table 1, Lines A and B). When water was added at storage of the seeds, prior holding of the pods in plastic bags gave no additional benefit (Table 1, lines A and C).

Comment: In the case of seeds dropped on the ground in nature, they probably remain more or less moist most of the winter; and this is true also of seeds in flats left out of doors. In the case of seeds stored in the refrigerator, however, they naturally become dry unless steps are taken to keep them moist. Our experience indicates that under the conditions of these experiments dried seeds germinate very slowly and poorly. Hence keeping them moist is of considerable importance.

B. *Storage Temperature*: It has been shown (3) that the temperature at which the seeds of daylilies are stored plays an important role in their subsequent germination. In our experiment 80 to 200 seeds of each of 7 batches of Japanese iris seeds harvested in August and September 1971 were divided into four equal batches. The seeds in each batch were dusted with Arasan as protection against fungal infection, were placed in small plastic bags and 2-3 drops of water were added before the packet was sealed against water loss. One packet (A) of each batch was kept from early November to early April at house temperature (55° to 70° F). A second (B) was stored for the same length of time in the refrigerator at 35° to 37° F. The other two were handled in ways designed to mimic nature, where seeds dropped on the ground in the fall from the ripened pods are exposed all winter to freezing or alternate freezing and less-than-freezing weather. One (C) was kept continuously in the freezer at 8° to 11° F and the fourth (D) was moved back and forth at weekly intervals between the refrigerator and the freezer. In April 1972 the seeds from all packets were placed in sterile Petri dishes on sterile moist filter paper at 65°-70°.

TABLE 2

Group	Storage temp.	Batches of seeds		Seeds		Days before 1st germ.	Germ. peak
		#	# germ	#	% germ.		
A.	House 55°-70°	7	3	218	16%	20	30
B.	Refrig. 35°-37°	7	6	"	82%	7	15
C.	Freezing 8°-11°	7	0	"	0	—	—
D.	Intermittent Freezing	7	0	"	0	—	—

The results are shown in Table 2. It is obvious that under the conditions of this experiment best and earliest germination occurred in the seeds stored at just above freezing temperature. This was much superior to storage at house temperature; and no germination occurred in any seeds kept at 8° to 11° either constantly or intermittently.

Comment: The failure of germination of seeds stored below freezing was unexpected but subsequent reading has revealed that Griesbach found the same to be true for *hemerocallis* seeds (3). Obviously conditions must be different in the case of seeds dropped in the wild on the ground or planted in the ground and in flats kept out of doors. These experimental results indicate clearly, however, that if Japanese iris seeds are to be germinated on moist paper they should have prior storage at temperature slightly above freezing. It is possible that seeds to be planted in flats might also profit from similar winter storage followed by planting in the spring but we have not tested this. In this study of Japanese iris seeds all were stored for 3 months. A shorter period at 35-37° F probably would serve equally well, however, for in the case of *hemerocallis* seeds Griesbach (3) has shown that maximal benefit can be obtained in about 2 weeks.

C. Effect of Light and Darkness on Germination: It is well established that seeds of some plants germinate better if kept in the dark whereas others do better if exposed to light (4). These requirements have been studied more thoroughly in annuals than in perennials but they are known for many of the latter also. We have found that Siberian iris (5) and daylily (6) seeds belong among those which do not have rigid requirements though in our experiments germination was somewhat better when they were exposed to light.

The tests with Japanese iris seeds were carried out in 1972 using seeds harvested in 1971. Only 20 seeds of Japanese irises were planted in Jiffy Mix in Multipots, of which 10 were exposed to lights 24 hours daily and 10 were kept in the dark. Approximately 1350 seeds were placed for germination on moist filter paper in Petri dishes. The source of light was a fixture holding one General Electric Daylight and one Cool White fluorescent tube at a distance of 8 inches above the seeds. Darkness was achieved by wrapping the Multipots and Petri dishes in two layers of black plastic.

TABLE 3

Effect of Darkness and Light on Germination			
Germinated in	Kept Continuously in	Number of seeds	Germination %
Jiffy Mix	Light	10	80
	Darkness	10	30
Petri Dishes	Light	660	33
	Darkness	695	20

The results are shown in Table 3. The number of seeds planted in Jiffy Mix was too small for an adequate test, but certainly there is no suggestion that darkness enhances germination. In the case of the seeds germinated on filter paper the samples are of adequate size and whereas germination was better in the light, it was not over whelmingly so. The strikingly better germination of these light-exposed seeds planted in Jiffy Mix than of those on filter paper is in agreement with results testing Siberian iris seeds (5). This is in contrast to results with daylily (6) seeds which have germinated easily and equally well when planted in the Mix or placed on moist filter paper. Indeed daylily seeds germinate so readily that many are found to be sprouted when the packets are removed from the refrigerator in the spring.

It should be noted that seeds used in these "light and darkness" trials were harvested in 1971 when only 1 or 2 drops of water were added prior to storage. This probably accounts for the far better germination (83%) recorded in line C of Table 1; for the seeds germinated in the light in that experiment carried out a year later had been stored with 2 to 6 drops of water. This may also account for the difference between germination in Jiffy Mix and on moist filter paper. The 80% germination of the small number of seeds in Jiffy Mix compares with that of 83% shown in line C of Table 1 for seeds on moist filter paper which had had prior storage with "plenty" of water, suggesting that the difference in Table 3 merely indicates that comparatively dry seeds absorb water better when they are imbedded in moist Jiffy Mix than when lying on moist filter paper.

D. *Effect of "Skinning" Seeds:* In the case of hemerocallis seeds, scraping off the outer covering over the end of the seeds from which the sprout will appear results, unless the seeds are non-viable, in germination within the next 24-48 hours. (3) This procedure therefore was tried with seeds of Siberian and Japanese irises. In the case of the latter, the firm oval seed was removed from the large, flat, paper-like envelope in which it lies and the thin brown "skin" was then gently scraped off also.

Results: This procedure was entirely ineffectual in inducing germination in approximately 25 seeds each of Siberian and Japanese irises.

EFFORTS TO PREVENT INFECTION OF SPROUTED SEEDS

In our previous experience as noted earlier a serious problem in addition to the very poor germination was death of the sprouted seeds from infection before they reached a stage suitable for treatment with colchicine (1,2). Experience with the 1972 seeds was very much more satisfactory.

Mold occurred in only 11 of 55 packets and in most of these was seen on only one or two seeds which were probably non-viable from the outset and hence susceptible to such infection. In 5 packets, however, up to half the seeds had to be discarded. Attempts to isolate and identify the causative microorganism were not made but in 3 the mold was of a gray, fluffy type like that seen on spoiled vegetables whereas in the other two the roots turned red in color and died without the appearance of any fluffy mycelium suggesting a bacterial rather than fungal infection. When these infections occurred the affected seeds were removed and the filter paper was drenched with a solution of Captan mixed with Benomyl. In most instances the rest of the seeds in these dishes remained healthy and could be used for colchicine treatment. The better results as regards infected seeds this year probably are due in part to the more rapid germination discussed in the first part of this article; for the longer the dishes must be kept and opened every 3 to 4 days for moistening of the filter paper the greater the chance is for contaminating molds to get in. The use of Arasan also probably helped. It was omitted in only two batches of seeds. One of these remained healthy but the other was heavily contaminated with fluffy mold and had to be discarded. Finally, the use of Captan and Benomyl mixture also appeared to be helpful. Half of the seeds in most of the packets were placed in Petri dishes with filter papers moistened with sterile water and the other half in dishes with filter papers moistened with the Captan plus Benomyl solution. Germination was equally good in both. When mold occurred, far fewer seeds were affected in the Captan plus Benomyl dishes. Also when such infection showed itself it could be largely controlled by adding the solution. I did not try the effect of Captan and of Benomyl alone so do not know what the relative merit of either one used alone might be.

CONCLUSIONS

1. In these experiments in which seeds were sprouted on moist filter paper in Petri dishes, germination was greatly enhanced by:
 - a. over-winter storage in the moist state.
 - b. storage at temperature of 35 to 37° F.
2. Storing at temperature of 8 to 11° F was lethal and storing at 35 to 37° F in the dry state gave very poor results.
3. Germination in the light was somewhat better than in darkness.
4. "Skinning" the seeds caused no improvement in germination.
5. Dusting the seeds with Arasan before they were moistened and stored appeared to lessen fungal infection.
6. Germinating the seeds on filter papers moistened with a solution of Captan and Benomyl also appeared to be helpful in controlling fungal infection.

REFERENCES

1. McEwen, C. *Efforts to Induce Tetraploidy in Japanese Irises*. The Review 8: 9, April 1971.
2. McEwen, C. 1972 *Tetraploidy Report*. The Review 10: 8, April 1973.
3. Griesbach, R. A. *Cold temperature treatment as a means of breaking seed dormancy in hemerocallis*. The Hemerocallis Journal Yearbook Issue, 10:85, May-July 1956.
4. Cathey, H. M. *Recent discoveries in seed germination*. Horticulture 48: 36, May 1970.
5. McEwen, C. *A Study of the effect of light on the germination of Siberian iris seeds*. The Siberian Iris 3: 6, No. 6, Fall 1972.
6. McEwen, C. Unpublished observations.

The Australian Iris Society Convention, 1974

RITA CALDWELL, *Convention Co-convenor*

The Victorian and New South Wales Regions of the Australian Iris Society have been planning their 1974 Iris Convention for some 18 months.

Membership of the Society is low in numbers, particularly when compared with that of the American Iris Society, but enthusiasm among current members is very high. Victoria and N.S.W. are the only states in Australia with active Regions, and interested people in other States are members of one or other of these Regions. West Australia is an exception, as there an enthusiastic group of people have their own Society.

We anticipate that some of the West Australians will attend the Convention in N.S.W. and Victoria during the 1974 season. We also expect to welcome Iris growers from New Zealand, from the U.K., and, of course, from the U.S.A., for whom this requested outline of Convention activities is primarily intended.

Very successful Conventions were held in Australia during the 1960's and the last one in 1970 was conducted by the Victorian Region. On occasions we have had participants from other countries—particularly N.Z.—attend our Conventions, but the one planned for this year is our most ambitious venture. We would like to show visitors from far away countries as much as we can of Australia in a limited time, as well as showing off our irises which do grow very well “down under!”

Since our tentative programme was printed in the October AIS BULLETIN, we have modified our programme somewhat to meet the needs of possible American visitors with only about 3 weeks available, and their wish to be able to visit N.Z. on their return journey to the U.S.A. Our Convention dates now are from Wed., 16th Oct., 1974 to Wed., 30th Oct. The Convention will commence in Sydney, N.S.W. and conclude in Melbourne, Victoria.

This period is mid-spring in Australia and it may be as well to mention the weather which, after all, does play a large part in the eventual success of this sort of venture. Sydney spring weather is generally balmy with maximum temperatures in the 70's but there is always the likelihood of some spring showers.

Melbourne is generally colder than Sydney with the real risk of sudden cold wet blustery spells. Temperatures can range from the 70's (occasionally higher) in fine weather down to the 50's, or even below that during a cold spell. These figures may perhaps be some help when people are planning their wardrobes.

Sydney is the largest city in Australia. It is a city of waterways dominated by the magnificent Sydney Harbour across which is the well known Harbour Bridge. This has been the city's land-mark since its completion in 1934, but has been upstaged recently by the newly-opened Sydney Opera House, occupying a superb location jutting into the Harbour.

The people of Sydney are proud of their lovely bustling city and the N.S.W. Region will endeavor to show visitors as much as they can of Sydney itself and its Iris Gardens. Activities planned in Sydney proper

include a day tour of Iris gardens, tour of the Harbour, beaches, Botanical Gardens and Opera House. A country day trip has been arranged across the picturesque Blue Mountains to the plain country beyond, and at Orange, Tom Williams, a N.S.W. Region member, will show visitors features of the district. All of this will take place between Wed., 16th Oct. and Monday, 21st. The Welcome Dinner will be on Wed. evening, 16th Oct., and the Sydney Iris Show and Awards Dinner is arranged for Sat., 19th Oct.

On Monday afternoon, 21st Oct., it is hoped that the Convention party will proceed to Canberra, the National Capital of Australia, so that visitors may spend Tues. 22nd there seeing something of this well-planned garden-city designed by the American architect Burley Griffin for whom the artificial lake, one of the city's attractions, is named.

At this point the original draft programme has been changed and the intended four-day over-land journey from Sydney to Melbourne has been eliminated. The Convention party will proceed directly to Melbourne by air to commence the Victorian Region segment of the Convention.

Melbourne, the capital of Victoria, is the second largest city in Australia. Melbourne is truly a garden city with its magnificent parks and gardens, and its fine tree-lined streets are a real feature.

During the Melbourne stay, the Convention Dinner will be held, and the Victorian Region Iris Show will be on Monday, 28th October. Visits to Iris Gardens, to the Botanical Gardens, Arts Centre and to the Healesville Wild Life Sanctuary are planned. If time permits, such people as are interested could perhaps take a day trip (by air) from Melbourne to Adelaide, the South Australian capital to see briefly some of that lovely city and visit Gilbert Cole's fine Iris garden there.

A visit to "Ivyholme," the dairy-farm property of Alan and Jean Johnson at Tongala some 120 miles north of Melbourne will take in quite a deal of the Victorian countryside and Alan's garden will be of great interest to visitors. Irises dominate this lovely garden in the mid-spring, while the Johnsons' collection of cacti is an added attraction.

The Victorian Region has its Convention guest-garden located at "Como," South Yarra, an inner-city suburb. "Como" is one of the historic homes of Victoria and is superbly maintained by the National Trust. We are indeed fortunate to be able to have the guest garden situated in such ideal surroundings, and T.B.'s from some well known Australian and American hybridizers will hopefully be in full bloom at Convention time! In addition to the guest Iris garden, there are large plantings of Iris throughout the Como gardens.

Alan Johnson of the Victorian Region, is President of the Australian Iris Society and will be an able Convention host. Some of you met Alan and his wife, Jean, when they attended the American Iris Society Convention in Wichita. Similarly, Les and Gwen Donnell will be known to those of you who met them in Portland. Les is Immediate Past-President, Victorian Region, and is one of this country's very keen hybridizers of T.B.'s.

New South Wales President, Graham Grosvenor, is somewhat of a newcomer to iris growing and is a true enthusiast. The Victorian Region President, John Baldwin, is a well-known hybridizer and a source of real

encouragement to the beginning "pollen dauber." These people, and many others, will be making a special effort to ensure that visitors to the 1974 Convention will have a memorable stay in Australia.

By the time you read this resume of our Convention plans, those of you who have indicated interest should have received copies of our detailed programme with up-dated costs. Should you still be doubtful about any matter relating to Convention plans do please contact Les Donnell or me promptly. (We are Convention co-convenors). Our addresses are—

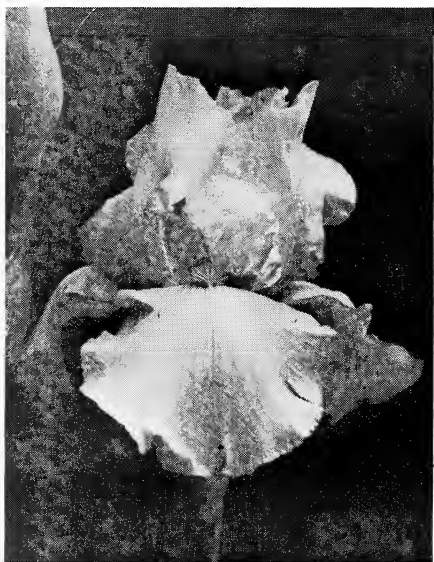
L. J. Donnell,
7 Kathrin Ave.,
Dingley, Vic., 3172,
Australia.

Mrs. R. M. Caldwell,
25 Derby St.,
Camberwell, Vic., 3124,
Australia.

Please *do* include the "Australia"—some of your enquiries have come via Canada and/or Mexico!

We, the members of the Australian Iris Society, look forward to making you welcome in October, 1974.

TWO AUSTRALIAN IRISES



ADVENTURER (Blyth, 1970) orange-apricot TB. (GLITTERING AMBER X CLAUDIA RENE)



JAYWALKER (Blyth, 1972) SDB. Imperial purple standards, falls same with dark red-black spot pattern around lavender-blue beard.

LETTER FROM DR. CHARLES C. HALL

We have received a letter from Dr. Hall, Hon. Editor of the British Iris Society, Year Book, concerning Art Nelson. It reads, in part: "All of us in the British Iris Society send to the AIS our very deepest sympathy. . . . To me (and I believe to most BIS members) his "memorial," so to speak, is the first class series of BULLETINS that he produced, and we can only claim to "know him" through these excellent productions."

—The Editors



Queenstown, South Island, New Zealand, with Lake Wakatipu and snow-covered Remarkables (mountains) in background.

—Tom Lloyd, *Otago Daily Times*
Dunedin, N. Z.

Greetings from New Zealand

This is written specifically for that lucky person contemplating a trip to the South Seas this fall. We, the New Zealand Iris Society, are staging our 25th annual convention in Alexandra, Otago Central, from the 15-18th November and our fervent hope is that you can plan your trip to coincide with this date. After all, you need a break and an over-seas trip has a tonic value like vitamins.

Alexandra is the centre of Otago Central and Otago Central is the centre of the South Island.

The South Island has some of the most marvellous scenery—high mountains, majestic fiords, wide plains, unspoiled rivers and lakes and virgin forests.

Otago Central is a series of valleys connected by the rocky mountain passes which divide the ranges. It is a fascinating land with many contrasts in scenery. Sheep and fruit farming are the main industry.

Alexandra has a population of 3,700, is 520 feet above sea level and has an average yearly rainfall of fifteen inches. Bearded iris do well in this dry climate but so do the bulbous *Reticulatas*, Dutch hybrids, Junos and Sibericas. Perhaps it is fair to say we are garden enthusiasts rather than iris experts. Visitors will be interested in the range of plants thriving in this area. Roses in abundance, paeonies, lilies and borders bulging with perennials. There is an almost complete absence of rhododendrons and azaleas as our soil has a high lime content and the dry air is disastrous. *Iris innominata* and its Californian friends are hard to establish.

The convention is planned to visit as many gardens as possible. One day will be spent in the country visiting farms and sheep stations (where it is hoped sheep shearing will be in progress) and beautiful Lakes Hawea and Wanaka which, with its scenic grandeur is one of our tourist resorts. If there is sufficient interest, we hope to have an extra day and visit Queenstown, which, for my money, is the jewel in the crown.

We feel deeply honoured that Dr. Clarke Cosgrove will grace this important occasion. Bless him. Our fingers are crossed that nothing will prevent him from being our guest speaker.

Otago Central is a small group with a small population but one thing is certain, the welcome will be warm.

See you in New Zealand in November.

Inquiries to: Mrs. M. Snow, Tarras, Otago Central, New Zealand.

WALLACE STEVENS

Jean Stevens' daughter in New Zealand has sent word of the death of her father on January 7, 1974. AIS members will remember his visits to the United States with Jean and recall his genial good humor and ready wit, as well as his broad knowledge of horticulture. We wish to express our sincere sympathy to his family.

—The Editors

AIS AUSTRALIA-NEW ZEALAND TOUR

MARGARET ZURBRIGG

Members of AIS will always be indebted to President Wall and the members of the Board for their foresight in the arrangements of an AIS tour to Australia and New Zealand, which will coincide with the Australian Iris Convention in October. This is a first for our organization, and we hope it won't be the last. Such a tour makes it possible to charter a plane and thus cut costs considerably for individual members who want to attend this convention and see irises growing in another hemisphere. The AIS family is a growing one, with memberships in twenty-one foreign countries. Those going on this tour will meet many Australian and New Zealand members; have the opportunity of seeing irises they grew at home growing there under different conditions; and have the opportunity of seeing irises introduced by Australian and New Zealand hybridizers.



At the May Board meeting, Dr. Wall appointed a committee to check out the details of the trip. Much correspondence has gone between me and people in Australia and New Zealand. I now am waiting word from Les Donnell, chairman of the Australian Convention, regarding our first-class hotel accommodations, which will be located in the center of Sydney and Melbourne rather than a motel on the edge of the city. Because of the

large number of AIS members expected to go on this tour, the New Zealand Iris Society has informed us they cannot accommodate us at Alexandra, where their convention will be held, and have asked us to tour iris gardens throughout the country as guests of local iris societies instead. I am working with Mr. K. Blakemore, president of the New Zealand Iris Society, regarding what garden will be on tour and that we will visit these at peak bloom.

The initial round-trip chartered flight will be from Los Angeles to Sydney, Australia, where AIS members will meet with the Australian Iris Society members at the Welcome Dinner. While staying here for six days, AIS members will be touring iris gardens throughout the area; attending the Sydney Iris Show and Awards Dinner; touring the Botanical Gardens as well as a general city tour; having a free day for shopping, resting, visiting the Rose Garden, Zoo or Art Gallery; and a day's tour through the Blue Mountains to Orange, where iris gardens will be visited.

AIS members will enjoy their nine days in Melbourne, Australia's second largest city. It is described elsewhere in this issue. We visit Healesville Wild Life Sanctuary; have enough time for resting, shopping or touring the city; take a tour to Phillip Island to see the Fairy Penguin Parade; attend the Victorian Region Iris Show; take a tour to Adelaide to visit iris gardens, tour the city and see the Botanical Gardens or as an alternative take a tour to historical Hobart on Tasmania.

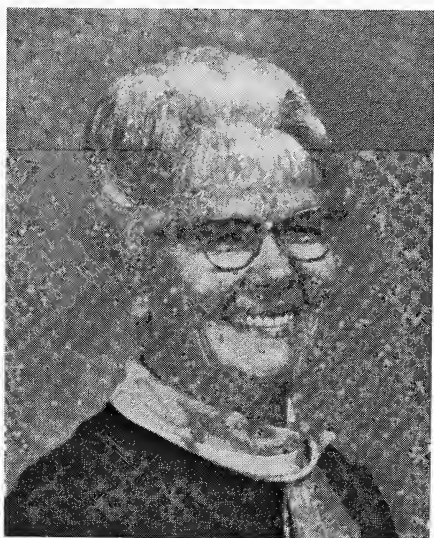
Our New Zealand tour will be four days long, using air transportation as much as possible to save traveling time between places. We plan to visit the cities of Auckland, Hamilton, Rotorua, Tauranga and Wellington on the North Island, and Christ Church and Timaru on the South Island. We have chosen these particular cities not only because of their scenery but because they hold the major iris gardens in New Zealand. Auckland has The Domain—the famous 194 acres of lawns and gardens for its citizens. Hamilton is the commercial center and is steeped in Maori history. The World Travel Service, Inc., of Roanoke, with whom I am making all arrangements, is making arrangements for a special air fare from New York, Atlanta, Chicago and St. Louis to San Francisco for our members. This will save members a considerable amount of fare. These four points we feel are central air terminals for most members to get to from their home towns.

At the time of this writing final costs have not been reached due to hotel accommodations not yet finalized. Only AIS members who joined AIS six months prior to the departure date can be allowed on this chartered tour, according to AOG regulations. For further information or if you want to submit your name as a tour member, contact me at once. Mrs. Margaret Zurbrigg, 903 Taylor Avenue, Radford, Va. 24141.

ROBINS

WELCOME, NEW TOP ROBIN

LEDA CHRISTLIEB



FAYE EDELMAN

The AIS Robin Program has a new chairman and it gives me a great deal of pleasure to introduce Mrs. Dan (Faye) Edelman, of Fort Morgan, Colorado. Faye has been a member of the Robin Program for some years; has acted as Director, Reporter, and Division Chairman; we wish her well and know that she will carry on with great enthusiasm.

Faye Edelman, the new National Robin Director, writes:

"I am a retired, or tired, teacher, depending on how you look at it, so I now have time to devote to my iris hobby and especially to the Robin Program. I do grow other than tall bearded. I have quite a number of SDB's, BB's, spurias, siberians, and even some Louisianas. At one time I tried Japanese and got one to bloom for me, but decided that it took too much time to prepare the soil for them. Now that I no longer teach school, I may try again, for they are so lovely.

I hope to be of service to all who fly in robins and to interest many more to fly with us. TRY IT! YOU'LL LIKE IT!"

You are invited to join one or more robins. Select the one which interests you most and write directly to that Division Chairman. Tell something of yourself, your irises, and your experience. It will help to place you in a suitable robin.

Note the changes in the following chairmanships: Tall Bearded Div. Gen. Ch., Spuria Div. Ch., Japanese Div. Ch.

Tall Bearded: Ret. Capt. Otis R. Skinner, Jr., Box 902, Yorktown, TX 78164

Irises in General: Mrs. L. S. Legner, White Fence Acres, Box 225, Rochester, IL 62563

International: Mrs. Mary Herd, Box 57, Jacksboro, TX 76056

Hybridizing: Beginner, Average, Advanced: Mrs. M. E. Hale, 1185—24 Road, R. 2, Grand Junction, CO 81501

Historical: Mrs. Harriet Segessemann, 330 Crescent Dr., Franklin Lakes, NJ 07417

Regional: Your Region Robin Representative or Mrs. Hoyt Smith, 138 Ridge Rd., Little Rock, AR 72207

Reblooming: Dr. Norman H. Noe, Mallard Drive, Martinsville, NJ 08836

Medians: Albert Ellis, 19 McClure Ave., Brantford, Ontario, Canada

Siberian: Marjorie Barnes, 1806 NE 73rd St., Seattle, WA 98115

Spuria: Mrs. Joe P. Crawford, Rt. 2, Box 35, Purcell, OK 73080

Japanese: Mrs. Edith Cleaves, 676 Downing Ave., San Jose, CA 95128

Evansia, Louisiana, Species and Natives: Mrs. Alan Reid, 17225 McKenzie Hwy., R. 2, Springfield, OR 97477

Special Interest: Fragrance, Space Age, Novelty, Artistic (Arts and Crafts), Aril-Arilbred, Miniature Dwarf, Teens and Twenties, Mrs. M. E. Christlieb, R. 1, Severy, KS 67137



Harriet Segessemann, Chairman of Historical Robins

Photo by Rosa Belle Van Valkenburgh

FLIGHT LINES

JULIUS WADEKAMPER

We have had many reports from many areas for this issue. Unfortunately, we have little from Siberians and Arils. While it is cold and wintry now (January) and below zero in Minnesota, it will be spring for many when you read this and, in the southern part of the country, the iris season will be well under way.

I'm sorry I did not get to acknowledge all of your reports personally this time, so let me take this opportunity to thank all of you who sent in reports. Please keep them coming.

The eleven BULLETIN pages of Flight Lines material provided by Julius Wadekamper could not be fitted into this issue. Publication will be postponed until July.

Don't Discard Me

LARRY L. HARDER

Each year multitudes of new irises are introduced. And each year I acquire a goodly number for my garden.

After a while I find I must discard in order to make room for the new ones I purchased. Then it is decision making time!

I have been finding it far easier to retain varieties for any number of reasons. For example, why do I wish to keep Dorothy Palmer's DANCING SUNBEAM? This vigorous variety will give a huge clump in just a few years for I've had as many as seven increases on a rhizome and that's a lot when I consider three or four as normal for most plants. That's the reason I don't discard it. And I love the light yellow coloration of this iris.

Another very vigorous iris is Tell Muhlestein's CINNAMON TART. An instant clump can be formed by this iris in one year. Before long you will have plenty to give to all your friends. Have you seen it yet? If not, once you have I am sure you will be pleased with it. I love its brightness with its yellow brown markings on white—yes, it's a plicata, but one of those rimmed kinds like STEPPING OUT.

The white iris ERMINE ROBE, put out by Schreiners, is one that I will want to keep for a while longer in the garden. This has proved to be a very good grower and blooms each year for me. You know, some irises have a habit of not wanting to bloom every year. Another white of this same vintage that I will keep around just for hybridizing purposes is HAPPINESS IS—an iris introduced by Louis Kamps, a neighbor of Orville Fay. Orville says this is one he thinks is a recessive white as it comes from his iris GOOD AND PLENTY. HAPPINESS IS is a beautiful iris and should be better known and talked about in iris circles—another very good white that is being overlooked just as CUP RACE was.

Occasionally a blue iris will strike my fancy and I'll want to keep it around. SEANCE which Joe Ghio introduced a few years ago exhibits huge block flowers in a darker-than-medium-blue shade of color. I almost prefer it to the celebrated SHIPSHAPE that Babson put out the same year—but SHIPSHAPE also does well for me. SEANCE increases very well and performs each year, while SHIPSHAPE can be hurt by a late freeze.

One of my real favorites in blue is the extremely dark blue of Jim

Marsh's—his SAILOR TOGS. The soft yellow beard, which has some blue hairs mingled in it, set off this flower. It has many qualities I like in an iris flower, but it could use a better stem as flowers tend to hug the stalk closely. However, Jim has given us some of the best orange irises, and his border-bearded MOLTEN GLASS is one of them. I had a bit of difficulty with it at first as it came down with scorch. Now I've gotten quite a planting of it after acquiring another plant from Jim.

Have you tried any of the Rudolph irises yet? Two that I highly recommend are LILAC FLARE and PINK BALLET. Both are short in stature, but they have the most exquisite flowers—billowing ruffles with seemingly touches of lace in their makeup—and very flared falls. Both are perfection in flower beauty, but I do wish they would increase and grow like some of the rest of the irises I grow. However, maybe since they don't increase so rapidly, it makes less work—as I don't need to dig and divide the clump so often.

If you wish to try just one iris out of all I'm mentioning, do try Luella Noyd's SYMPHONETTE. I don't grow this extremely well, but others in this area do. Mine always wants to bloom all the time and leaves me with few increases or robust plants. The beauty of the flower is the color. It is most difficult to describe—a blend of rosy-red and shades of pink haloling a whitish spot under the beard. Standards seem to be a shade lighter in tint than the falls.

Another iris that I'll want to grow for quite awhile is Steve Moldovan's GOOD HOPE. It took it awhile to acclimate to my growing conditions, but now it faithfully produces its beautifully branched stalks exhibiting its creamy white flowers with yellow hafts. Nothing else is quite like it.

Being a beauty some years, and other years just so-so, has proven the fate of LATIN LOVER here for me in Nebraska. When it is pretty, it is one of the loveliest things in the garden, but otherwise it's just a so-so variety. I'll keep it around for quite some time just because it is so beautiful sometimes. I have always loved its color combination of pink standards, falls deep maroon-rose edged with the color of the standards.

Some others that I have difficulty in ever deciding to take out of the garden include such things as CRYSTAL BLAZE, FLAMING STAR, FOND WISH, MASCARA and PINK DIVINITY. Each of them has found a place in the garden since they were introduced (except PINK DIVINITY which I acquired later) and I will keep them around for a few years yet. When Rudolph first put out CRYSTAL BLAZE, I wondered how vigorous it would prove to be. Well, I've found out. At least in my garden it grows and blooms well—in fact, in 1972, a huge clump of it was one of the most spectacular sights in the garden. When a white with a red beard grows and blooms well, it's one I want to keep.

FLAMING STAR (Plough) has proved to be exceptional in my garden. I thought at first it was going to have those wide open standards everyone including myself was seeing; but after overcoming my prejudice against this, I've come to admire this plant for what it really is worth. It is one of the most brilliant colors found in iris, a clump is most outstanding, and I've found the standards don't open as much when exhibited this way. Maybe we should not be so hasty in making judgments concerning our iris.

Now FOND WISH is my favorite in the delicate lavender-orchid shade of

color of this vintage. It possesses an elegance that is difficult to find in many varieties. The subtle blending of the color gives the impression of a self. Moderate ruffling and semi-flared falls always characterize my favorites. (This is what I call "typical-good" iris form.)

MASCARA (C. Benson) doesn't do itself justice until you have a clump of it. Then the massive black bitone flowers are impressive. Not as black as some other varieties on the market, but it possesses an individualistic demeanor in the garden.

Few of our newer pink irises have surpassed Esther Tams' PINK DIVINITY for beauty. To see a clump of this iris makes one admire it all the more. I first discovered it at one of the national meetings. So unheralded was this beauty that I couldn't help but wonder why! A seemingly very pink color is accented by a small white spot-type pattern around the creamy beard.

Surprisingly enough, Melba Hamblen's TOUCHÉ is becoming a favorite of mine. Even though it does not really have pink standards or blue falls, it has proven to be a good grower for me—and since I like to do a bit of hybridizing—it has interesting possibilities.

Do you have a clump of WEST COAST yet? To me this is one of the best of the deep yellows we have. Yellow is a color we must use a lot in an iris planting. And even though this has some haft markings, I like it very much.

Because it is so different, Maynard Knopf's LAUNCHING PAD is one that I am keeping in my collection for years yet. How can an iris have two different colors of yellow in its makeup? The standards are lemon yellow, the falls white bordered with a brilliant gold band. And then the beard is a different shade of yellow from the other two. I recommend it highly, probably putting it on the top of the list as one I must keep.

Now I've only been able to tell you about just a few of the varieties that I can't bring myself to discard from my iris collection. Some day I'll probably eliminate them as they grow older and are really surpassed by newer varieties—but until that future year comes, they will find a home with me.

INTERNATIONAL SYMPOSIUM ON IRIS

The Botanical Garden Pruhonice, one of the departments of the Botanical Institute of the Czechoslovak Academy of Sciences, has organized an international symposium on the genus *Iris*. The symposium will be held from June 4th to 7th, 1974, at Liblice, near Prague.

The papers will deal with taxonomic problems of the genus *Iris*, with morphological, cytological, and physiological features of cultivated Irises and with scientific-cultural utilisation of the genus *Iris* in botanical and public gardens.

Two excursions will be included in the programme: one in the Iridarium at Pruhonice with almost 1,200 varieties of both wild and garden Irises, the other in N. W. Bohemia, with localities of native *Iris pumila* L., *Iris aphylla* L., and *Iris sibirica* L.

Bee Warburton, of Westboro, Mass., will attend this symposium and deliver an invited paper.

YOUTH-VIEWS

THOMAS FORD, *Editor*

ANN DASCH, *Chairman and Art Work*



See you at the Roanoke, Virginia, AIS Convention this May? We hope so! The schedule for the convention includes many young ideas—especially a swimming party and pizza bash for Youth Members on Friday, May 17th. Sub-teens will enjoy doing things together and the teens will appreciate dancing after the Saturday banquet. This is the year to show real Youth Power for our Flower—and have fun!

Barbara and Debbie Beasley, two young and enthusiastic irisarians, attended last year's national convention and obviously enjoyed the experience. When Barbara wrote an extensive article about her experiences for the Region 1 BULLETIN and/or Medianite, her mother kindly sent me a carbon of the material. It is fantastic! I wish that we were able to print all of it here. Barbara and Debbie are outstanding youngsters, iris-wise beyond their years, and endowed with delightful pixie twinkles of humor. Barbara's descriptions of her grandmother (Mrs. Rosalie Figge) eating five desserts and her mother being nipped "up above her leg in the back" by a dog when they got lost, have super-zest. Following are sections of the article.

"My name is Barbara Beasley, and I am 9 years old. My mother took me out of school to go to the AIS Convention. We came to Pennsylvania on Monday and stayed with my aunt. I got to stay at the motel with my grandmother two days, and I went swimming in the swimming pool. Debbie, my sister who is 11, stayed with my grandmother the other two days."

"The first garden we went to see was the Hirsch garden. We saw BLUE BURN (McGarvey-SIB). MOLTEN EMBERS (Schreiners) was a reddish brown, and I liked it. Debbie and I both liked PUNJAB (Plough). I liked the trimming. CRICKET (Knowlton-BB) has yellow standards and reddish brown falls with a border of cream. When I held up a label for my mother to take a picture, she said 'Get your hand off the cricket!' and I said, 'There's no cricket,' but she meant the label. POST TIME (Schreiners) was a very bright red, and I liked it. PINK FAVORITE (Blodgett) had 10 buds."

Barbara continues to describe each convention garden, meeting, irisarian,

and meal along the way, doing a beautiful job on all. She is very observant.

"Then we went to Longwood gardens. There was a lot to see at Longwood, but it was too hot. We just looked at the irises and then sat in the shade. At Longwood, Dr. Knocke's iris named KISS was labeled 'Kiss Knocke'!"

Of the Kegerise Gardens in Reading, Barbara said, "I liked CLAIR-VOYANCE (Ghio) which is pink and lavender. DREAM DATE (Kegerise) is very much like CUP RACE. CUP RACE was very pretty in most of the gardens. LITTLE LOVE (Pickard) is a very pretty dark one. PEACH SPOT (Shoop) has a spot like a signal spot. It seemed to have more substance than DELICATO (Schreiners). I also liked CHUKKER VALLEY (Kegerise). I missed seeing POINT CLEAR (Pickard), but I saw my mother's slide, and I liked it."

Both Debbie and Barbara have won ribbons for their iris seedlings and are enthusiastic hybridizers. They obviously found the convention a great place to swap notes with a congenial pro. "Mr. Varner told Debbie to cross a red-bearded self with an amoena, for an amoena with a red beard. He told her which one, but she doesn't want to say which it was."

And in another garden, "I wanted to take a picture of Mr. Brown with one of his irises, but they were always the wrong Brown. He was very nice to me. I did take one of Mr. Steinhauer with NIGHT DEPOSIT."

After the convention: "Monday, when I went to school, I got to give the science lesson. We were studying flowers. Everyone called me Miss Beasley, even the teacher. I even got to give them the assignment and check the test. I told them to draw pictures of irises. On one they had to label the parts. On the other, they had to make up their own seedling, and name it. I told them how to hybridize, and how long it took to get a pod, and how long it took for a seed to bloom. The teacher asked a lot of questions. She didn't know anything about irises."

Barbara concludes, "I had a good time at the convention, and I am glad I could go. I met a lot of nice people, and saw a lot of new irises."

YOUTH COMMITTEE GAINS NEW MEMBER

ANN DASCH

The AIS Youth Committee, whose members include Maynard Harp, Tom Ford, Phil Williams, Jayne Ritchie, John and Iris Nelson, and this reporter, are happy to welcome their youngest and newest member, Hooker Nichols. His twenty years include a vast quantity of iris-ing and his enthusiasm ensures that he will be a super-asset.

When asked to send us an autobiography, Hooker described himself as "a mischievous iris lover." Following are excerpts from his letter.

"My interest in the world of nature began quite early and gradually overtook me in many ways. My late aunt, Theda M. Clark was the person who was most responsible for subjecting me to the iris bug which I now possess. My late aunt maintained during my childhood one of the largest iris gardens in the Northwest part of Oklahoma. You might say that, almost from the beginning, I was absorbed by the iris world. Nowa-

days, many elderly women walk up to me and tell me that it was just a few years ago that there was a little blond, curly haired boy running through the iris gardens, picking flowers from the stalks of the newest irises, much to the dismay of his aunt."

"When I was 9 years old, I began to enter irises in the annual iris show sponsored by the Northwest Oklahoma Iris Society. My specimens were awarded best in the youth classes for the years 1962 through 1965." Later the letter says, "In 1968 I was elected the president of the Northwest Oklahoma Iris Society." According to our math, Hooker was 15 when he held this office!

Hooker goes on to describe his budding interest in hybridizing—"some real beautiful dogs"—that has begun to succeed as evidenced in his 1973 SDB introduction AMAZON PRINCESS, another SDB, OLIVER (yes, named for O. Twist!), and a third introduction his late aunt's seedling MAGIC MEMORIES, a ruffled BB that is a dependable rebloomer.

To list Hooker's show triumphs could fill another page. He has garnered many of the top awards five to seven times, in adult competition.

Hooker goes into details, with affection about many of the fine irisarians in his area, and describes his current interests: "Today, I grow only 200 tall bearded irises. My main interest is in medians and dwarfs. I maintain the largest Median Display Garden in Region 22. I became the youngest judge in Region 22 this past spring. I shall give up this title to Perry Dyer of Blanchard this coming spring, with pride."

His activities involve not only the AIS, but also the Reblooming, Median and Dwarf Societies, plus three local iris clubs. He has also written and edited various publications. Hooker gives credit to Melba Hamblen for encouraging him, stating "Every iris grower who is just a



Huntsville, AL., Iris Youth Group. Back row, L to R: Jayne Ritchie, Kathy Cook, Michelle Ritchie, and Harold Ritchie. Front row, L to R: David Moorman, Chris Kennedy, Mike Ritchie, and Cynthia Chester

Photo by Rosa Belle Van Valkenburgh

beginner has some large hybridizer to look up to and find confidence in." Presently Hooker is attending Northwestern State College in Alva, Oklahoma, working "on an education degree with an interest in social studies." And, yes, he took his irises with him!

He concludes, "Whether an iris fancier is young or old, he can always achieve success in the iris world. It is the adult members of the American Iris Society who must reach out to the youthful interested members of their local societies and make sure that those members will not give up growing irises. Encourage your youth members! After all, it is they who will carry on the works of AIS in future years."

Welcome, Hooker! The Youth Committee has a real winner in this young man.

More for the Money for Young Irisarians

DAVID MOHR



When people first catch the iris bug, all irises look alike except for color. For the next several years they learn to evaluate and to grow them properly. Everyone forms an opinion as to which iris he likes or doesn't like, and attempts to collect as many favored varieties as possible. Sometimes, in the case of Youth Members, the irises they want to grow the MOST also cost the MOST!

Maybe this is your problem too?

To solve this problem will take a little ingenuity and patience.

A step in the right direction is to visit as many gardens as possible during bloom season. Take detailed notes on the varieties you have a desire for. If possible, ask your host a few questions about the varieties that interest you. Listen for comments on growth habits. Try to view the same varieties in different gardens and compare the performances.

When you are sure of the varieties you want to grow, consider the best possible ways of obtaining them. For instance, look for a commercial garden with all the varieties you want, low prices and free extras. When placing your order be sure to buy the hard-to-get varieties and ask for the more common ones as extras.

After your irises increase, try to work out some trades with friends. This saves both of you money. If you still can't afford the varieties you desire, consider the gift option. (Mom and Dad, can I have an iris for my birthday present?)

Now that you are getting some newer irises, take pride in them. Don't throw those old ones away! Pass them on to a friend! Who knows? You might spark some iris interest in someone else!

Young Kentucky irisarian David Mohr's article shows another important reason to attend the convention; the tour gardens offer opportunity to really see the iris super-stars and compare their performances before breaking the ole piggy bank. Thanks for the article, David. We'd love to hear more from Mohr!—Ann Dasch

Further Experience with Tetraploid Siberian Irises

CURRIER McEWEN

In the spring issue of 1970¹ I described our early efforts to induce the tetraploid state in Siberian irises. Now, four years later, the progress which has been made warrants this follow-up note. In previous articles^{1,2,3} the nature of tetraploidy, the action of colchicine in inducing it, and the methods used have been described. Therefore, it will suffice to present here merely a short recapitulation. Most plants have two sets of chromosomes in each somatic cell, one set from each parent, and are called diploids meaning "twofold." Some plants have had their chromosome number doubled "spontaneously" in nature by unknown causes and hence are called tetraploids meaning "fourfold." Since the chromosomes are the structures in the cells which contain the genes, the number of the latter also is doubled in tetraploids and hence the genetic potential of the plant is greatly enhanced. Because such natural tetraploids have proved to be superior to their diploid forms efforts have long been made to induce the change by man-made means. Progress was slow until 1937 when it was discovered that colchicine, a drug obtained from *colchicum autumnale*, the meadow saffron, which has been used for some 2000 years in the treatment of gout, has a remarkable capacity to cause chromosome doubling. Since then the horticulturist has been able to induce tetraploidy more or less at will.

A good example of what can be accomplished by tetraploidy is seen in the tall bearded irises. The magnificent ones of today are the result of crosses from some naturally occurring tetraploid irises. Although the diploids of our grandparents' day have a charm of their own and have contributed importantly in breeding, they have today been largely replaced by their superior tetraploid descendents. Siberian and Japanese irises, however, are among the many plants which have never made the change from the diploid to tetraploid state in nature, and they have, therefore, been a challenge.

As noted in our earlier article¹, Orville Fay in 1960 taught me the method of using colchicine which he and Dr. Robert Griesbach were then successfully applying to daylilies, and I started using it that same year. By 1962 one Siberian iris bloomed which proved to be a so-called chimera, that is, a plant which is partly diploid and partly tetraploid. During the next six years we treated thousands of tiny, just-sprouted seedlings with colchicine and obtained some 50 which were chimeras or apparently fully tetraploid, but none was registered because it is possible for such induced plants to revert to the diploid state. For the next few years we made many crosses of these induced flowers but all failed or produced only diploid seeds. Finally in 1968, seedlings of several of our crosses of induced tetraploids proved to be tetraploid. Since there is no possibility that second generation tetraploids obtained in this way can revert, two were introduced: a pleasing medium blue one as Orville Fay; and a waxy white one as Fourfold White. This was the point which had been reached

in 1970 when the earlier article appeared. Since then we have registered and introduced seven additional second and third generation tetraploids selected as the best among some 500 plants. These include one red, a new white one, three dark blue selfs, one medium blue with lighter border and one blue with silver edging. Experience has clearly demonstrated that tetraploidy has much to offer in Siberian iris breeding, just as it has in the past with tall bearded irises, daylilies and other flowers.

Each cell in a tetraploid has twice the volume of those of diploids, hence the flowers are larger, measuring up to 6 inches in diameter. In addition, the substance of the petals is greater. Perhaps of greatest value is the increased depth of color; the pigments in each cell are the same as those in diploids but there is more of it and hence the color is richer. Foliage is somewhat wider and often somewhat taller; it tends to be more upright and is of a richer green color. Stalks are stouter but not appreciably taller. Some tetraploids have proved to be more velvety and more ruffled than their diploid parents and I have the strong impression that these valuable features are enhanced in tetraploids since in one chimera the tetraploid flowers are velvety and ruffled and those of the diploid part of the plant are not.

More definite morphologic identification of a tetraploid is made by examination of the reproductive parts of the flower. The ovaries, anthers and stigmas are all distinctly larger than those of diploids. Indeed the larger tube also is stouter and stronger and does not break when crosses are made, as sometimes happens with diploids. Whereas these gross morphologic criteria help to identify the tetraploids and chimeras the final proof is obtained by examining the pollen, floating in a drop of water, with a microscope. Figure 1 shows diploid pollen in A and tetraploid pollen in B. The differences in size of the individual grains are quite apparent.

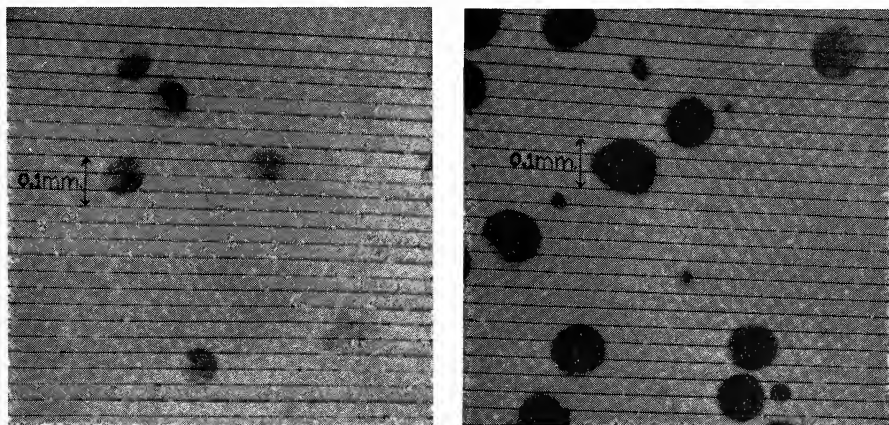


Figure 1. Pollen grains photographed in a drop of water. Diploid grains in left photo (A). Tetraploid grains in right photo (B). Distance between the lines is 0.033mm.

Whereas the volume of tetraploid grains is approximately twice that of diploid grains the size noted in the illustration is less than twofold because the grains are seen in only two dimensions. Nevertheless the differences are sufficient to make distinction quite obvious, especially if a measuring device is present as in the illustration.

The differences in appearance between diploids and tetraploids can best be studied in so-called sectorial chimeras, that is, plants of which one segment is tetraploid and the rest diploid.** In these sectorial chimeras the bloom stalks from the two different segments carry flowers which permit one to compare the tetraploid and diploid forms of the same flower. One such sectorial chimera is shown in Figure 2.



Figure 2. Colchicine induced sectorial chimera of seedling T₁ 66/41 A: White Swirl x (Pirouette x unknown). Flower on left (arrow B) tetraploid, others diploid.

The 28 chromosome Siberian irises are of two general types. The more common ones, exemplified by such old favorites as Gatineau, Caesar's Brother and Tycoon have delicate falls which are pendant in type, whereas the more modern trend has been toward those like White Swirl which have horizontally flaring falls. Thus far all tetraploids derived from 28 chromosome cultivars have been of the flaring type even though derived from parents with pendant falls, probably because of their great substance. All of our tetraploids derived from flowers of flaring type have, in my opinion, been superior to their parents. The same is true in general for those derived from pendant flowers if the hafts are short. If, however, the tetraploid child inherits long hafts, the horizontal falls are so widely separated that they look rather like airplane propellers and, to my eye, are not as attractive as their pendant parents.⁴

**In a second type, the so-called periclinal chimeras, the whole plant is partly diploid and partly tetraploid; and in a third type, illustrated in Figure 3, one segment of the plant may be wholly diploid or tetraploid and the rest a periclinal chimera.

The discussion thus far has dealt with tetraploids derived from the 28 chromosome group of Siberian irises. We have worked less with those of the 40 chromosome group in our early attempts but now are making a particular effort with them. Thus far we have bloomed only one combined sectorial and periclinal chimera derived from 40 chromosome parents. As shown in Figure 3, the fully tetraploid flower on the right is larger and more ruffled than its only partly tetraploid counterpart on the left but it retains the pendant form characteristic of the 40 chromosome group. To date we have had no others to cross with it and it has set no pods when selfed. It is our hope, however, that within the next few years we shall be able to bloom second generation tetraploids from 40 chromosome parents which can be registered.



Figure 3. Colchicine induced sectorial chimera of seedling T_1 67/164 derived from 40 chromosome Siberian iris seedlings. The flower on the left (arrow A) is diploid and that on the right (arrow B) is tetraploid. The diploid has just opened whereas the tetraploid is an old flower which accounts for the drooping standards. Note the pronounced laciness of the tips of the styles in the tetraploid.

An additional theoretically potential advantage of tetraploidy is the possibility that sterile hybrids from "wide" interspecies or interseries crosses, such as the Cal-Sibes resulting from crossing Californicae and members of the 40 chromosome group of Siberian irises, might be fertile and open the way to entirely new possibilities in breeding. We have attempted to derive such tetraploid Cal-Sibes using clonal methods³ but thus far have succeeded only in killing the plants. We are continuing these efforts.

As a final note let me add that although we found the induction of tetraploidy in Siberian irises far from easy it has proved to be much less difficult than in Japanese irises. We began our efforts with both plants in 1960 and had colchicine induced tetraploid Siberians in bloom by 1963 and second generation ones by 1968. In the case of Japanese irises on the other hand, our first induced tetraploids did not bloom until 1973 and,

of course, there has not yet been sufficient time for any second generation ones to be obtained. These differences have been due, not to inadequacy of colchicine, but to problems which had to be overcome in obtaining germination of Japanese iris seeds and then maintaining healthy growth of the sprouted seedlings. Those problems have finally been overcome as discussed elsewhere in this issue and we anticipate that more rapid progress can now be made.

REFERENCES

1. McEwen, C. Progress note on the induction of tetraploidy in Siberian irises. AIS, No. 197, page 32, April 1970.
2. McEwen, C. Tetraploidy in Siberian Irises, *The Iris Year Book* (of the British Iris Society) 1966, page 77.
3. McEwen, C. Methods for inducing tetraploidy. *The Siberian Iris*, Vol. 2, No. 8, page 286, October 1968.
4. An example of such a flower is illustrated in Figure 3 of Reference 2.

PROFILE

LEO CLARK, *Arilarian*

RAY LEECH

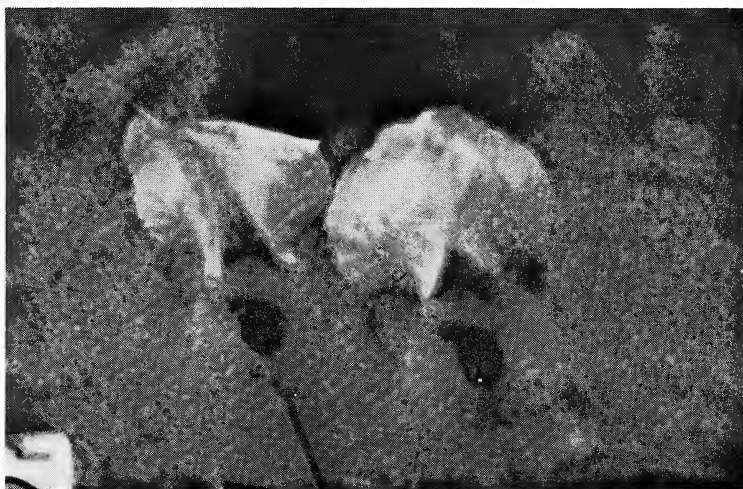
Growing and hybridizing the aril iris has been one of Leo Clark's main pursuits for over 30 years. He first became interested in arils when he saw a single bloom of *I. susiana* in a flower show. A close friend of the late Herbert Kerr, he worked together with Kerr exchanging pollen and seedlings. This relationship did much toward promoting the welfare and general interest in arils in Northern California. After Mr. Kerr's death, Leo continued the work and has produced many fine seedlings of both pure aril and aril hybrids with C. G. White inter-crosses. This line produced his famous "¾-breds" which are outstanding examples of garden-hardy arilbreds. Most are probably triploids, but some are thought to be tetraploids by hybridizers who have been getting full pods of seeds, e.g. PROLIFIC, TURKISH TU-TONE, and SHEPHERD'S SONG. Rhizomes of these three have been sent to Freeman Yendall in New York for chromosome count. Two of Leo Clark's earlier seedlings which have been counted as tetras are his cross of *I. lorettii* x CHENIK AGA, and (*I. aurantica* x *I. gatesii*) x JALLAH EFFENDI. SHEPHERD'S SONG is thought to be the first white Aril-bred with a red signal. If it is truly a tetraploid, aril hybridizers will be interested in this one. Another of his "¾-breds" which will set seeds is CORNING, a large maroon red with a maroon-black signal.

Working independently and in cooperation with the Aril Society International, Mr. Clark has imported many of the aril species and successfully grown them at his home near Corning, Tehama County. On numerous occasions he has also furnished the Society plant sale with stock for re-sale in supporting and promoting the welfare of aril irises.

A large signal is of particular interest to Leo in his quest for good oncocyclus seedlings. He says that he strives for a signal the size of a thumb-print or larger, e.g. AMULET OF RAMESES, one of his recently introduced pure arils, which has antique gold standards with the falls the same but peppered with cinnamon dots and veins surrounding a signal spot the size of a quarter. The beauty of this bloom defies description.

Its sib, a bi-color with cream-white standards over falls that are heavily veined and dotted, was introduced as JEWEL OF SHEBA, and it, too, is an outstanding example of Leo's work. His latest pure aril introduction is LEO'S MAGIC, which has unusual interest because of the wide, clear, pink blaze overlaying the full length of the supporting mid-rib in the closed standards. This bloom is covered with fine maroon-black veining and has a large black signal spot. It is a proven pod-parent. Parentage of this cross is Austin's W-8-3-0 x THOR. Leo made the cross in about 1960 or earlier and the plant has increased to a considerable extent.

Leo Clark was born on a farm west of Corning, California, on Christmas Day, 1892. When he was a small child, the family moved to the lovely 100-year-old two story home where he lives today. He became a successful dairy rancher, and at the height of his career was managing 1275 acres with over 100 Guernsey cows. His hobbies include Appaloosa horses which



JUDEAN ROUGE (Leo Clark)
"three-quarter" aril-bred

he has raised for 20 years, and rare pheasants and chickens. Numerous pens and cages line the driveway into the ranch, and the brilliant plumage of the proud birds is an exciting and beautiful sight.

Leo has been a member of the California Grange for many years, and he is active in the Masonic Fraternity, having served as Master of his Lodge in Corning. He is currently holding office as Patron of the Order of Eastern Star for the sixth time.

He and his wife Ida, adopted two sons who grew up on the ranch. In 1952, Mrs. Clark was stricken and confined to a wheel chair until her death in 1967.

The wide yard areas surrounding the ranch home provide plenty of space for the many pure arils and hybrids of many types which Leo is working with to produce yet more magical blooms. A standing invitation is open to all who are interested in the aril iris. Bloom time is March each year, and will usually extend somewhat into April. For a real treat, travel to Corning and visit Leo Clark among his beloved arils!

PINK AMOENAS YES, BUT---

DAVE NISWONGER

Many may remember the story of the cobbler who expected a visit by Jesus. During the day he had 3 visits from persons whom he helped but didn't recognize. During his disappointment in the evening, he was told of the 3 visits of Jesus.

A similar thing could happen as we work to develop a pink amoena. As we aim for the goal of the pink amoena, we may develop many other beautiful colors along the way that we may miss since we are looking for the clear white standards and the pure pink falls.

During the '68 AIS Convention in California, I was amazed at the marvelous advances made by Frank Hutchings as he worked towards the pink amoena. Frank literally used a full page to record the parentages of some of his seedlings. NUMERO UNO and SMALL FAVOR (Hutchings '69) are good examples of this line which represents 15 years of work.

I was familiar with JAVA DOVE (Plough '64) which came from (CHINA GATE X (PINNACLE x PARTY DRESS)) X BABY'S BONNET which still has the smoothest colors of many later introductions but not as much contrast as some of the others such as SNOWLINE (Schreiners '68) which came from inbred lines of pinks, PINNACLE and others. In looking at these advancements, I realized that they had not come easily. If only there was a shortcut or some variety that could improve on contrasts, it would be a dream. Most hybridizers have these fantasies, I told myself, so why can't I?

Then in the spring of 1970, I was visiting Dorothy Palmer's garden in St. Louis and walked into a fantasy. Dorothy had a most unusual group of amoenas and bicolors. It was her 10-70 series. She had crossed a MAGIC MORN (Hinkle '61) seedling with SUNSET SNOWS (J. Stevens '65). I was impressed, amazed, shocked and delighted! On the first generation many breaks had occurred with nice contrasts and ruffles too!! Jean Stevens of New Zealand had worked for years in developing a pink amoena. SUNSET SNOWS represented a culmination of years and years and generation after generation of crossing pinks with yellow amoenas then inbreeding them by sibbing and selfing. The final result came with a cross of YOUTHFUL CHARM X a seedling from yellow amoenas crossed with pinks, which is what YOUTHFUL CHARM (J. Stevens '63) came from. Hybridizers have learned that anytime you outcross a variety that has been inbred for several generations, you generally get hybrid vigor and good quality. SNOWSET SNOWS is no exception! Dorothy is contemplating introducing an iris from her cross in 1974—NEW VENTURE.

In October 1972, Grace Newman from Ironton, Missouri, and Louise Bellagamba from St. Louis toured Australia during iris time. Among the many beautiful slides they have showed of Australian gardens was a group of slides taken at Sunnyside Gardens, Frankston, Victoria. In these slides, were pictures of seedlings out of SUNSET SNOWS. In fact, there were varieties ready for introduction out of SUNSET SNOWS!

I couldn't wait to write to Barry Blyth to see what his experience had been with SUNSET SNOWS and, sure enough, it was great. Barry had

purchased SUNSET SNOWS on the year of introduction and it bloomed for him in 1966. He made many crosses with it, resulting in 800 seedlings with about 30 pod and pollen parents. He experienced the same thing as Dorothy Palmer. His best crosses turned out to be with FANFARE ORCHID (Bennett Jones '66), RHYTHM AND BLUES (B. Blyth '71): (NATIVE DANCER x (LOVILIA x WHOLE CLOTH)) X (Sib X Sib)—(another inbred variety) and CAMPUS FLIRT (Dahling '64).

At the 1973 fall meeting of Region 18, Grace Newman showed slides of the results from these crosses and I think those who saw them will agree with me that the results are outstanding. Here are the introductions so far:

I. From FANFARE ORCHID X SUNSET SNOWS—

TWIST AND SHOUT (Blyth '73). Good contrast of snow white standards, and falls of a deep cocoa pink which are flared and ruffled. The beard is a vivid red with some veining around the hafts.

OUTER LIMITS (Blyth '72). This one is way out with pure white standards, mid-blue falls and brown hafts with a tangerine beard. It's a color class of its own with a nice personality, good bud count, branching and ruffles.



OUTER LIMITS (Blyth, Australia)

II. From RHYTHM AND BLUES X SUNSET SNOWS—

SNOWLIGHT (Blyth '72). A yellow amoena with crystalline white standards and flared ruffled bright yellow falls and a lemon beard.

IMAGINE (Blyth '73). Many seedlings from SUNSET SNOWS give selfs and bicolors that are hard to describe. This is one of them. The standards are blue orchid pink and the falls are similar with a bluer infusion around its pink beard.

IN DREAMS (Blyth '73). A complete self of creamy apricot buff including the beard.

III. From SUNSET SNOWS X CAMPUS FLIRT—

RED ACCENT (Blyth '72). Almost a black with a tangerine beard. A more nearly correct color description would be: deep violet standards and violet black falls. The tangerine beard lights up the flower. It has a high bud count and is a possible rebloomer.

Barry lists the following traits of SUNSET SNOWS as a breeder:

1. It has the ability to clean up standards and make them pure crystal white. Also, well formed standards.
2. It will produce different colored selfs never before seen in TB's.
3. Even though it appears to come from recessive yellow amoenas, it appears to be dominant in nearly all cases.
4. As a rule it is difficult to get seed to germinate well from yellow amoenas but SNOWLIGHT and SUNSET SNOWS seedlings germinate well.
5. It needs to be crossed on wide things since it has a tendency to produce narrow parts.

My own experience with it indicates that, in the first generation, the blooms tend to be on the small side and the falls are a bit dirty but, from slides of Barry's, these faults have been overcome in some instances in the second generation.

Dr. Charles Nearpass of College Park, Maryland, sums up the problems in the search for a truly pink amoena as follows:

- (1) There is no red anthocyanin (pelargonidin) in the tall bearded iris so a diluted red is out, but we do have the "flamingo" pinks which are made up of carotenoid-lycopene pink.
- (2) So, magenta tones in the falls are the closest to pink that could be expected from the PROGENITOR factor.
- (3) The PIN UP GIRL—BABY'S BONNET—JAVA DOVE approach depends on: (a) an anthocyanin inhibitor to take out anthocyanins from the standards and falls; (b) a "t" (tangerine) factor to convert carotenes to lycopene; (c) a carotenoid fall overlay; (d) the genes to keep the standards white.

It appears that crosses from PINNACLE—MYSTIC MELODY types with pinks produce amoenas with red beards and apricot falls whereas crosses from WHOLE CLOTH—MELODRAMA types with pinks produce amoenas with red beards and fuchsia or magenta falls. I think most will agree that we are getting mighty close to a pink amoena; it just depends on our own standards as to what is a pink amoena, but as a result of working towards the truly pink amoena many hybridizers have come up with some of the *most fantastic beautiful color combinations—let's enjoy them!* You can practically blow your mind thinking of all of the possible combinations of standards, falls, and beards either in bitones or bicolors. Just think of standards of pure crystalline white, blue white, pink white, pale blue, magenta, baby pink, apricot, pale yellow, deep yellow, beige, light brown and even a deeper edging of these colors, etc.; or, falls of light to deep blue, red violet, old rose, raspberry, bright orange, peach, yellow, pecan, gold, chartreuse, lavender pink, purple black, maroon black and all colors of edgings, spot patterns and contrasting colors at the hafts, etc.; then select the beard of marigold, tangerine, pale pink, lavender pink, orange, Christmas red, etc. My goodness! You have hundreds of possible combinations!

At the Oregon AIS Convention of 1972, I was really impressed with Sdlg. 67-49-1 of Bennett Jones' which came out of the same lines as CLOUD CREST. It is an amoena with sky blue falls and a very red beard. There are some striations in the falls, but, in my opinion, they

don't detract from the flower since the color is so different. It's very similar to OUTER LIMITS and was one of my favorites from the Oregon Convention. It will be introduced in 1975. Again, it is more or less an inbred line of Bennett's.

George Shoop made quite a hit at the 1968 AIS Convention with LATIN LOVER (Shoop '69) but he made another hit with me with PEACH SPOT (Shoop '73) which is out of SNOW PEACH X Sib, an inbred line involving LATIN LOVER X Sib with WHOLE CLOTH and pink amoena seedlings in the background. PEACH SPOT is large with white ruffled standards and a peach spot covering two-thirds of the falls and a tangerine beard. It's a real advancement in color in my book, a good example of a by-product from pink amoena breeding.

MAY ROMANCE (G. Crossman '71) was a hit at the Wichita AIS Convention coming from pinks, RIPPLING WATERS, and WHOLE CLOTH. Its pale orchid-pink standards and purple-violet falls and a coral pink beard make it another ophthalmological treat. TOUCHE (M. Hamblen '69) and LOVE IS (S. VARNER '73) are two other "greats" in this color category, both from pinks and MELODRAMA—WHOLE CLOTH lines.



TEMPO Two (Blyth, Australia)

Just recently I had the opportunity to view slides from Barry Blyth of his second generation SUNSET SNOWS seedlings. There are colors here you would never think possible. You wouldn't believe the various colors that came from BARCELONA X OUTER LIMITS. F126-8 has pale pink standards and pink brown falls with a tangerine beard. F126-1 has very pale pink standards and black falls with a light tangerine beard and will probably be introduced in 1975 as TEMPO TWO. F126-9 will also be a 1975 introduction and is similar to TEMPO TWO with pinker standards and deep red violet falls and a deeper tangerine beard. All of these have good bud counts and branching with ruffles too! There were others from PANORAMIC (Hamblen '69) X TWIST AND SHOUT and TOUCHE X RHYTHM AND BLUES that were just as fantastic. Melba Hamblen's things seem to add width to the SUNSET SNOWS lines.

You can see that OUTER LIMITS had a good match with BARCELONA (O. Brown '67) which has been quite an outstanding color break for some time, coming from another good break of PIPES OF PAN (O. Brown '63) again with the background of PINNACLE, pink seedlings and GYPSY LULLABY (O. Brown '61) which was derived from FASHIONETTE X MELODRAMA, an Award-of-Merit winner.

I could go on and on, listing other favorite irises in these color classifications; however, I hope at this point you are convinced that we will continue to work towards the truly pink amoena, *but* we have a magnificent kaleidoscope of colors to enjoy in the quest of that goal.

PROFILE

LOWELL G. HARDER



The picture is that of Lowell G. Harder and Madelyn Harder on their fiftieth anniversary. And indeed the article is about both, because they always have worked together, especially in the iris field.

In 1932 the Harders and their three children moved into a house which had irises growing in ashes in the back of the yard. Lowell recalls they were intrigued with the colors and bought a few others sparingly at nineteen cents apiece (depression years).

Irises succeeded the Victory Garden and then came AIS membership and the BULLETINS encouraged an interest in hybridizing.

Twenty years of teaching and playing contract bridge led to his becoming a Life Master in 1952. With the children married and on their own, Madelyn suggested that they find a larger place for the in-

creasing number of seedlings, and in 1956 they located eight acres and started the process of moving, but they were ready for the 1958 convention.

Lowell is now retired, busy with two jobs, he reports, and the iris business. He was the first treasurer of the Empire State Iris Society, and inaugurated the iris acquisition plan.

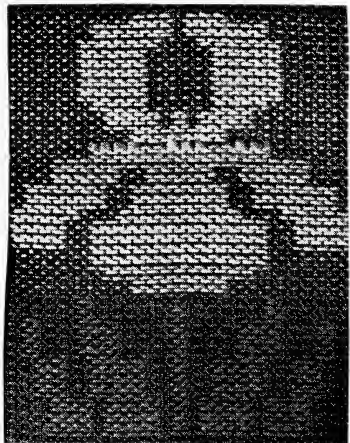
The Harders report nine grandchildren and three great-grandchildren.

Among their iris introductions are LADY KATHRYN, MOON PRINT, MIDNIGHT FLARE, MIDNIGHT JEWEL, DIANE LOUISE, LADY DOROTHY, MOON PRINCESS.

A Distinguished Weaver in Irisdom

CLARENCE P. DENMAN

Mr. Rudolph A. Fuchs (Rudi), a retired Professor of Art of the North Texas State University at Denton, is continuing to use some of his talents in his retirement activities. For several years he has designed and woven over 500 Christmas cards per year and sent them to his friends. In 1973 he designed and wove a few with the iris design shown in the accompanying illustration.

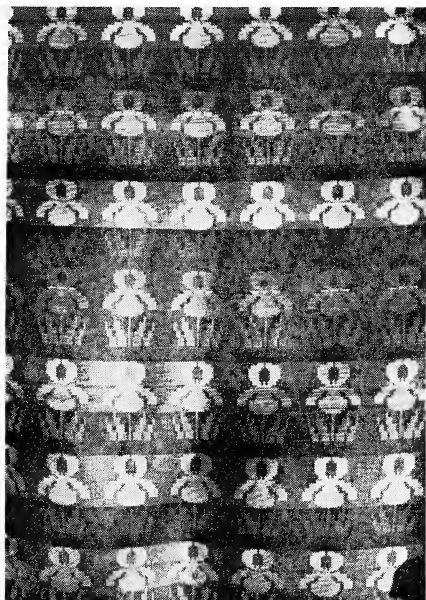


He is a native Texan. He secured his Bachelor's degree in Art at the West Texas State University and his Master's at Columbia University. He studied weaving with a group near London and with Marli Ehrman of the Chicago School of Design. He has taught art at the college level for 42 years. He has won many prizes and awards in local, state, and national craft and weaving exhibitions and has had several one-man shows. He has given workshops in weaving under the auspices of the weavers guilds in several cities of the na-

tion, and has judged many shows. At present he is one of the vice presidents of the Handweavers Guild of America.

In addition to using the iris design in his Christmas cards he has used it to make the hanging shown in the accompanying illustration, with seven of the designs woven in a row and ten or eleven rows high with the irises in various colors. The whole measures about 36" X 60". It will probably be on exhibition at the Roanoke Convention along with the other artifacts with an iris design.

Rudi has played the oboe with the University Symphony Orchestra and the piano with the University String Ensemble. He is a member of the local Men's Garden Club, the Daylily Society of Dallas, the Fort Worth Iris Society, the American Iris Society and the Reblooming Iris Society. His chief interest in his gardening is to keep his tall bearded irises upgraded each year with the addition of the newer and better varieties.



New for 1974



SOCIALITE

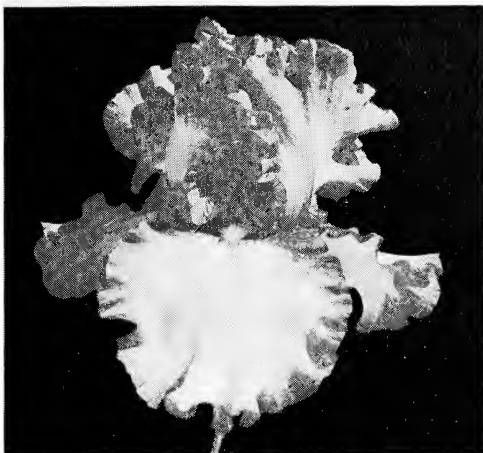
AUTUMN LEAVES (Keppel) M, 34". Vaudeville X Radiant Apogee. Begin by imagining the foliage of fall. Take a basic petal color of blended caramel and rose brown, with a flush of yellow at the base of the standards. To the falls add a washed overlay of reddish purple. Combine with burnished gold styles and orange-yellow beard. Put it together on heavily ruffled petals with lightly swirled standards and slightly flared falls. Add a stalk with three branches plus terminal and about ten buds, and wrap it all up on a plant that grows and increases well. Fertile both ways. EC '72, HC '73.\$25.00

LIZ (Gatty) M, 34". Ruffled Valentine X Rippling Waters. Very ruffled, well laced, and ultra-feminine. A pale, creamy, salmon-toned pink, just an almost imperceptible shade deeper than her sib, Princess. Tangerine-orange beard, white at tip. Two or three branches plus terminal, six buds. Fertile both ways. Named for Liz Aulicky, in whose New Jersey garden this iris first bloomed as a seedling. EC (best seedling in show, Oakland) '71. EC (best seedling in show, Concord) '72. HC '72. Region 14 Seedling Cup, '73.\$25.00

ROUNDUP (Keppel) EM, 38". Montage X April Melody. Show stalks par excellence! Three (or four) branches plus terminal, twelve or more buds, often three blossoms open at once. A cream ground plicata with brownish rose standards and fall trim, dull yellow beard. Rounded, ruffled form, with standards touching and slightly flared falls. Extremely fertile both ways—we've often had three pods per socket! Two EC's (including best seedling in show, Modesto), '73. HC '72.\$25.00



LIZ



ROUNDUP

SOCIALITE (Keppel) E, 32". ((Full Circle x Rococo) x sib) X ((Happy Meeting x Rococo) x (Full Circle x Rococo)). Sheer elegance, with each plicata stitch and each beard hair impeccably placed. The most precisely-patterned plicata we have produced. The clean white ground carries an almost solid $\frac{3}{8}$ " stitched border of rich, bright violet (Canterbury purple). Styles are solid deep violet, beards are pale blue. Petals very broad, nicely ruffled. Three branches and terminal, about six buds. Pollen fertile. HC '73.\$25.00

WHITE LIGHTNING (Gatty) E, 35". Launching Pad X New Moon. Early growth means early bloom for this gorgeous pure white with an inconspicuous netting of clear yellow on the haft. It's the bright cadmium yellow beard which gives the jolt to this flower. Standards upright and intertwined, falls arched outward at the haft, almost vertical below. Flower parts with finely pinked edges which, in turn, are heavily ruffled and fluted. Two to three branches plus terminal, seven or eight buds. White, but quite distinctive! Pollen fertile. HC '73.\$25.00

BEAU (Gatty) M, 13", Standard dwarf. Dainty Royal X Regards. Charming red-violet bitone. The standards are silky rosy violet, the falls are velvety cyclamen purple to dahlia purple with a narrow edging of the paler color of the standards. The blue beards are lightly tipped with bronze. Standards domed and touching, falls semi-flaring. One branch, three buds. Pod-fertile to a limited degree. EC '73. HC '73.\$7.50

Introduction Special: one each of the five tall bearded introductions above.
.....\$75.00

July-August Delivery.

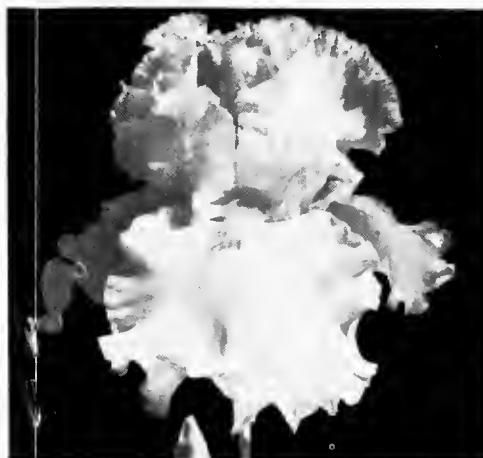
Catalogue on Request.

Keith Keppel • P.O. Box 8173
Stockton, California 95208

*New for
1974*



SOCIALITE



LIZ



ROUNDUP

AUTUMN LEAVES (Keppel) M, 34". Vaudeville X Radiant Apogee. Begin by imagining the foliage of fall. Take a basic petal color of blended caramel and rose brown, with a flush of yellow at the base of the standards. To the falls add a washed overlay of reddish purple. Combine with burnished gold styles and orange-yellow beard. Put it together on heavily ruffled petals with lightly swirled standards and slightly flared falls. Add a stalk with three branches plus terminal and about ten buds, and wrap it all up on a plant that grows and increases well. Fertile both ways. EC '72, HC '73.\$25.00

LIZ (Gatty) M, 34". Ruffled Valentine X Rippling Waters. Very ruffled, well laced, and ultra-feminine. A pale, creamy, salmon-toned pink, just an almost imperceptible shade deeper than her sib, Princess. Tangerine-orange beard, white at tip. Two or three branches plus terminal, six buds. Fertile both ways. Named for Liz Aulicky, in whose New Jersey garden this iris first bloomed as a seedling. EC (best seedling in show, Oakland) '71. EC (best seedling in show, Concord) '72. HC '72. Region 14 Seedling Cup, '73.\$25.00

ROUNDUP (Keppel) EM, 38". Montage X April Melody. Show stalks par excellence! Three (or four) branches plus terminal, twelve or more buds, often three blossoms open at once. A cream ground plicata with brownish rose standards and fall trim, dull yellow beard. Rounded, ruffled form, with standards touching and slightly flared falls. Extremely fertile both ways—we've often had three pods per socket! Two EC's (including best seedling in show, Modesto), '73. HC '72.\$25.00

SOCIALITE (Keppel) E, 32". ((Full Circle x Rococo) x sib) X ((Happy Meeting x Rococo) x (Full Circle x Rococo)). Sheer elegance, with each plicata stitch and each beard hair impeccably placed. The most precisely-patterned plicata we have produced. The clean white ground carries an almost solid $\frac{3}{8}$ " stitched border of rich, bright violet (Canterbury purple). Styles are solid deep violet, beards are pale blue. Petals very broad, nicely ruffled. Three branches and terminal, about six buds. Pollen fertile. HC '73.\$25.00

WHITE LIGHTNING (Gatty) E, 35". Launching Pad X New Moon. Early growth means early bloom for this gorgeous pure white with an inconspicuous netting of clear yellow on the haft. It's the bright cadmium yellow beard which gives the jolt to this flower. Standards upright and intertwined, falls arched outward at the haft, almost vertical below. Flower parts with finely pinked edges which, in turn, are heavily ruffled and fluted. Two to three branches plus terminal, seven or eight buds. White, but quite distinctive! Pollen fertile. HC '73.\$25.00

BEAU (Gatty) M, 13", Standard dwarf. Dainty Royal X Regards. Charming red-violet bitone. The standards are silky rosy violet, the falls are velvety cyclamen purple to dahlia purple with a narrow edging of the paler color of the standards. The blue beards are lightly tipped with bronze. Standards domed and touching, falls semi-flaring. One branch, three buds. Pod-fertile to a limited degree. EC '73. HC '73.\$7.50

Introduction Special: one each of the five tall bearded introductions above.
.....\$75.00
July-August Delivery. *Catalogue on Request.*

**Keith Keppel • P.O. Box 8173
Stockton, California 95208**

MAYBELLE WRIGHT

10051 Brookside Ave., Bloomington, Minnesota 55431



MISS PETITE
(Wright '73)

Photo by Bill Peck

MISS PETITE (1973). Sdlg. BB-68-15: (Miss Ruffles X Yellow Dresden). A Border Bearded that stays in class. Mid-season. Perfect proportion; standards wide and ruffled; falls perfectly round and almost horizontal; deeper yellow beards. Heavy substance, 3 well-placed branches, 7 buds. Pod fertile and has pollen. Passes on its form to its seedlings. HC 1971. \$12.50

RUFFLED CHERUB (1972). (Miss Ruffles X Rippling Waters). Midseason, 22 to 32". Breeds good TB and BB. White, yellow beard. HC 1969. \$10.00

MISS RUFFLES (1967). (Lula Marguerite X Chivalry). Blue BB, exceptional parent. (Free with order of either above). AM 1971.\$1.50

Seedling 65-34. (Rippling Waters X Dr. Wanless). BB breeder. (Free with order on request).

FOR THE IRIS LIBRARY

CHECK LISTS

We have only 1959 and 1969 CHECK LISTS available. Older ones now are collectors items.

1959 Check List. Until we reduce inventory, these will sell for \$2.00 each. For many, this is a good buy to insure that you have a good copy as the one you have disintegrates because of use.

1969 Check List. The latest Check List, covering introductions and registrations from 1960 through 1969\$6.50

THE AMERICAN IRIS SOCIETY

2315 Tower Grove Avenue

St. Louis, MO. 63110

GARDEN OF THE ENCHANTED RAINBOW

1974 ** Introductions ** 1974

FIRES OF GEHENNA (B. Miller '74). Sdlg. 70-11A. TB, 34-36", EM, FOR/5FORdo. Orange-scarlet blend with bright orange-scarlet overwash on falls. Hardy, floriferous, brilliant. Heaven's Largesse X Jungle Fires.
.....\$25.00

1973

RUTH OF MOAB. Sdlg. 68-1A. TB, 34", M-L, FY/FY7RV. Golden yellow self; Falls completely patterned in garnet overveining in identical tracing of variegata species. Hardy, floriferous, and bright. The one about which garden visitors always exclaim: "I want a piece of that!" Bang X (Ola Kala x Argus Pheasant) x Mary Randall.\$17.50

CELESTIAL DELIGHT. Sdlg. 62-88. BB, 25", ME-ML, POR/PORdro. Very dependable and aristocratic border size iris self of apricot-pink with bright, wide coral-orange beard. Some flare, slightly ruffled. Wonderful texture. (Ola Kala x Pink Formal) X Mary Randall.\$10.00

1972

For the red hybridizer

HEAVEN'S LARGESSE. Sdlg. 61-18A. TB, 30-34", E-L. Medium dark crimson red blend. Nice flare to falls. Often 3 stems per rhizome. Weather resistant. Breeds fine reds of brilliance and transfers excellent traits. Very fertile both ways. Redward X Bang.\$15.00

RAINBOW PROMISED. Sdlg. 62-41. TB, 34", E & Re. Dark red blend Violet blaze and iridescence. Sturdy. Well branched. Excellent breeding potential. Throws sturdy red rebloomers, taking form of other parent. Fertile both ways. (Pacemaker x Cherie) X Firebright.

SPECIAL OFFER. ONE EACH OF ALL 5 ABOVE \$37.50

JORDAN and BERNICE M. MILLER

Broadview

New Mexico 88112

RIVERDALE IRIS GARDENS

INTRODUCTIONS FOR 1974

Introduced for Alta Brown

EMERALD FROST, MDB, 4"\$5.00
Sdlg. D 918-11: ((Snow Elf x Green Lilt) X Baby Jewel)). Clean white with a very green ray pattern around the creamy white beard. Fine form; good haft width. Well defined markings.

PRETTY PAT, MDB, 4"\$5.00
Sdlg. D 893-16: A sib of Baby Orchid (Rosy Carpet x unknown). Pretty little rosy violet self, with a ray pattern in a darker shade on the falls. Light violet beard. Well formed; very distinctive and different.

TIC TAC, MDB, 5"\$5.00
Sdlg. D 936-8: (Mini-Plic X sib). A handsome little fellow and a fine addition to the scarce miniature plics. Clean violet markings on white, both standards and falls. Falls are more strongly marked at the haft, light around the rim. Good form and width.

JOHNNY, SDB, 10"\$7.50
Sdlg. M 1598A-11: From two sibs of Indian Pow Wow. Both are ((Snow Troll x Grace Note) X Gingerbread Man)). Smoky dark lavender-violet conical standards with a darker midrib. Reddish brown falls shaped like a graceful elm leaf, with a creamy ray pattern around the beard. Violet beard tipped brown. Nice flaring form. Very pretty.

WHIZ BANG, SDB, 10"\$7.50
Sdlg. M 1404-13: ((Snow Troll x Grace Note) X Gingerbread Man)). Dark greenish yellow standards. Dark orange-brown falls, with a fat blue-violet beard. Domed and ruffled standards. Well held shorter falls.

STRANGE CHILD, SDB, 11"\$7.50
Sdlg. M 1387-16: (Pink Cushion X Lenna M). This one is really different. Full apricot with a big, well defined plum spot in the falls. Domed standards and fine round falls. Tangerine beard. Should give interesting seedlings.

MOON KID, SDB, 10"\$7.50
Sdlg. M 1607-21: (Moon Step X Whiz Kid). It reminds us of a pint-sized Lula Marguerite. Pale creamy yellow standards, gray inside, with a full violet throat. Nicely rounded grayed falls with a yellow ray pattern around the light blue-violet beard.

IBAB, Short AR, 14"\$7.50
Sdlg. M 961-5AB: (Saffron Charm X Green Lilt). Little arilbred with aril form. Hard to describe. Light blue standards with golden yellow veins and rim. Golden yellow falls with rosy violet markings. Lavender styles with a blue midrib. Yellow beard tipped blue. Branched.

RIVERDALE IRIS GARDENS

GLENN AND ZULA HANSON

Specializing in Dwarfs and Medians

Free catalog on request

7124 Riverdale Road

Minneapolis, Minn. 55430

RIVERDALE IRIS GARDENS

INTRODUCTIONS FOR 1974

Introduced for Carol Lankow

ANDI, IB, 19"\$7.50
Sdlg. 73-528: (Olympic Torch X Knotty Pine). HC 1972. We have watched Carol's work for several years, but she is such a perfectionist that this is her first introduction. We are proud of it. Bright butterscotch gold standards. Falls washed or overlaid henna-brown, paling to the color of the standards at the edges, with a gold midrib. Broad, ruffled, and widely flaring. Good substance. Softly scented.

Introduced for Emma Hobbs

FIRSTLING, SDB, 10"\$7.50
Sdlg. 62-1: (Sunair X aphylla Thisbe). Out of arenaria and aphylla breeding comes this small flowered TOTALLY white dwarf, with the branching to be expected from its parents. Lovely, well formed little flowers. Late blooming, it looks delicate, but holds its flowers for several days. No pollen, but can be podded.

STOL-BEE, Short AR, 14"\$7.50
Sdlg. H71-1: (*I. stolonifera* X unknown). Interestingly marked arilbred with stolonifera form. Gray standards edged gold. Greenish gold falls with a reddish violet ray pattern. Prominent blue styles with gold lips. All parts have a violet midrib. An excellent grower.

Introduced for Leda Christlieb

MYOWN JOY, Short AR, 18"\$7.50
Sdlg. 4DA55E7: (Garnet Treasure X Kalifa Hirfa). Leda is well known for her work in the Robin Program. She has been hybridizing with the "little arilbreds" for some time, and many growers who have seen her seedlings have urged her to introduce. This and the following variety are her first offerings. This one has full red-violet standards. The falls are fuller and brighter, with a prominent spot pattern. The beard is cream tipped yellow-orange.

POGO DOLL, Short, AR, 16"\$7.50
Sdlg. 4DA61B7: (Pogo X Kalifa Hirfa). Grayed lavender standards. Ochre falls, edged gold, with a shadowy blue signal and a brown halo pattern around the amber beard, tipped wine.

RIVERDALE IRIS GARDENS

GLENN AND ZULA HANSON

Specializing in Dwarfs and Medians

Free catalog on request

7124 Riverdale Road

Minneapolis, Minn. 55430

J AND J IRIS GARDEN

1973 INTRODUCTIONS OF

Rex & Alta Brown

Jack Boushay

Tall Bearded

CLOUDS OF GOLD (Jack Boushay '74)

69-BP-6: (Ultrapoise X Kingdom). 36", EM-L. Lemon yellow (Wilson 4) with lighter area at tip of orange beard. Very heavy substance, lightly ruffled with good form. Beautiful branching with four branches plus terminal and three buds on each branch.Net \$25.00

ENDURING LOVE (Jack Boushay '74)

69-AM-2: (Pacific Panorama X Babbling Brook). 37", TB, M-L. This iris is aster violet (Wilson 38) lightening at hafts and around edges of petals. Falls are horizontal, and the standards are domed and touching; very nicely ruffled. Flower seems to be shrouded with mist or maybe a veil of mystery.Net \$25.00

LACY ELEGANCE (Rex Brown '74)

68-2-2: (Azure Lace X 63-62-2: (Lovely Letty x Magicolor)). 34", TB, M. A lacy-edged flower of smooth orchid (Wilson aster violet 38/1) with beard slightly lighter. The flower lightens as it matures. Very nice form with wide, ruffled, flaring falls and domed standards. Three branches and terminal with nine buds. A nice show stalk as it often has three well-placed flowers open at once.Net \$25.00

LOVELY LOVELY (Jack Boushay '74)

69-BO-1: (Kingdom X Ultrapoise). TB, 34", M-L. This iris charts to be yellow ochre (Wilson 07/3), which is close to an apricot self. The beard is a little darker ochre but almost a true self. The falls are horizontal and the standards are nicely domed and together at the top with heavy ruffling and lace. No other way to describe it but just Lovely! Lovely!Net \$25.00

NEW COVENANT (Jack Boushay '74)

J68-Q-15: (Pink N' Pretty X Irish Lullaby). TB, 36", M. The standards are Orient pink (Wilson 416/1), and the falls are the same on the hafts and around the edges with the center lightening to almost white. The beard is slightly darker. The falls are wide and flaring with the standards domed. Lightly laced and ruffled with heavy substance.Net \$25.00

SUNRISE MAGIC (Rex Brown '74)

68-20-5: ((64-67-3: (Orange Beacon x Fay pink) X Flaming Star). TB, 36", ML. The standards are salmon pink (Wilson 412) blending to aureolin yellow (Wilson 3/2) on both sides of the saturn red beard (Wilson 13). Good form with flaring falls and domed standards. Having good substance and lightly ruffled.Net \$25.00

Intermediate Bearded

APPLEBLOSSOM PINK (Jack Boushay '74)

69-CC-13: (One Desire X Lenna M.). IB, 18", E-M. The standards are Orient pink (Wilson 416/2). The falls are almost white with a light border, and the hafts are the same color as the standards but a little lighter (Wilson 416/3). Good form and substance with flaring falls and domed standards.Net \$7.50

PHARAOH'S DAUGHTER (Jack Boushay '74)

69-CC-4: (One Desire X Lenna M.). IB, 18", M. Very bright azalea pink (Wilson 618/3) self, with slightly deeper pink beard. Has good form and substance. A little more haft markings than I like; but many have liked it, as it is a real crowd stopper.Net \$7.50

SPUN SUGAR (Alta Brown '74)

M 1319: (Gold Buttons X Lovilia). IB, 19", ML. Ruffled, domed standards are pale yellow with darker yellow at midribs. Wide, rounded, flaring falls are light yellow with darker yellow at hafts, and the beard is bright orange. Good form and heavy substance; two branches plus terminal with five buds.Net \$7.50

J AND J IRIS GARDEN

Rt. 1, Box 329

Cashmere, WA 98815

J AND J IRIS GARDEN

1973 INTRODUCTIONS OF

Rex & Alta Brown

Jack Boushay

Standard Dwarf Bearded

BARNSTORMER (Alta Brown '74)

M 1546-8: (Cherry Garden X Unknown). SDB, 11", M. The standards are beetroot purple (Wilson 830/1). The falls are rounded and flaring with clean hafts. The color is that of the standards with the area around the beard slightly darker maroon (Wilson 1030). The lively campanula violet (Wilson 37) beard gives this iris much appeal.
.....Net \$7.50

DANCING DAMSEL (Alta Brown '74)

M 1571-11: (M 1387-13 (Pink Cushion x Lenna M.) X Sib. M 1387-8). SDB, 11", M. The standards are domed and touching and are Egyptian buff (Wilson 407/1). The falls are orange buff (Wilson 507/3) and are nicely flaring. The beard is tangerine, and the hafts are amber yellow (Wilson 505). Good form and substance.Net \$7.50

ENCANTO (Alta Brown '74)

M 1582-8: (Jolly Fellow X Whiz Kid). SDB, 12", M. The standards are fern green (Wilson 0862/3) with darker midribs and edged with just a touch of Bluebird blue (Wilson 042/2). The falls are a little darker with more brown (Wilson 0862/2) having a light strip from the tip of the beard down the falls. The beard is a bright bluebird blue (Wilson 042/2). Beautifully formed, small and dainty, with flaring falls and domed standards. The colors are that of Mexico. The flower has much charm, and the Spanish name "charm" is Encanto. A really green-green iris.Net \$7.50

RUPEE (Alta Brown '74)

M 1582-1: (Jolly Fellow X Whiz Kid). SDB, 12", M. The falls are close to citron green (Wilson 763) but with more brown. Hafts are darker brown. Beard is light blue with each hair tipped yellow. The standards are dauphin's violet (Wilson 039) at the midribs lightening to (039/2) with light tan blending in. Has beautiful form with good substance. The flower is small and dainty and in good proportion with the rest of the plant.Net \$7.50

TOE DANCE (Alta Brown '74)

M 1402-8: ((M 1278-19 (Lilli-Var x Grace Note) X Gingerbread Man). SDB, 12", M-L. The standards are light fern green (Wilson 0862/3) with the falls garnet brown (Wilson 00918/2) lightening at the edges, with a striking plum purple beard, with each hair tipped fern green. It has nicely flaring falls and domed standards. A lovely strong flower, full of form and grace.Net \$7.50

Miniature Dwarf Bearded

INDIAN JEWEL (Alta Brown '74)

M 1596-17: ((M 1260-2 (Green Lilt x Grace Note) X Unknown). MDB, 7", L. The domed standards are clear white. The flaring, rounded falls are smooth turquoise (Wilson Enamel Blue 48/3) blending to white at the edges. Beard is white, pale yellow in throat. Good form and substance. A distinctly unique color combination.
.....Net \$7.50

J AND J IRIS GARDEN

Rt. 1, Box 329

Cashmere, WA 98815

RUDOLPH-1974

LEMON BROCADE

1974

\$25.00

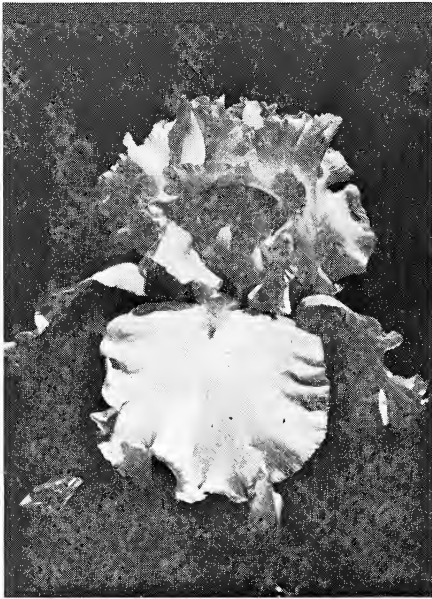
No. 71-25 (CREAM TAFFETA X 67-54)

Midseason

TB

34"

An exquisite shade of light lemon yellow (close to RHS 9D). Standards light lemon yellow, fully domed with opening rolled back, framing the laced lemon styles; beautifully ruffled. Falls beautifully ruffled, wide and flaring, center green-white blending to light lemon at edge (RHS 6D). Underside of falls green; white tipped yellow beard. Star dusted and very heavy substance. Four branches with nine buds. Plant habits are excellent and fertile. This is a Cream Taffeta seedling carrying the blood lines for pink-banded edges. HC 1973.



CARVED CAMEO (Rudolph '72)

ORANGE FIRE

1974

\$25.00

No. 70-70 (ORANGE BEAUTY X 68-35)

Midseason

TB

31"

An intense orange (close to RHS 24A). Standards orange with a pink flush at the center, waved and ruffled. Falls waved and ruffled, wide, rounded and flaring with a deep orange-red beard several shades deeper than RHS 32A. Three branches with six or more buds. Plant habits are excellent. Fertile. HC 1972.

BEIGE MELODY

1974

\$25.00

No. 71-16 (LEMON MIST X 68-77)

Midseason

TB

30"

A delightful shade of light beige close to RHS 19D. Closed standards light beige, beautifully formed and ruffled, framing the striped beige lacy styles. Wide, flaring falls off white with a beige-pink edge, deeper beige at haft; underside of falls green; coral red beard. Four branches with seven or more buds. Plant habits are excellent. Fertile. A very pleasing combination of colors.

Previous Introductions

PINK ANGEL 1973. Light pink. HC '71.	\$22.50
PEACH TAFFETA 1973. Peach self. HC '72.	\$22.50
TITAN GOLD 1973. Antique gold. HC '72.	\$22.50
CARVED CAMEO 1972. Cameo pink. HC '71, HM '73. Limited quantity.	\$22.50
LEMON MIST 1972. Light yellow. HC '71, HM '73.	\$15.00
WHIRLING RUFFLES 1972. Light orchid. HC '71, HM '73.	\$15.00
LILAC WAX 1972. Light lilac. HM '73.	\$15.00
BLUE CHARMER 1972. Violet-blue.	\$15.00
LILAC RUFFLES 1971. Lilac self. HM '72.	\$12.50
ORANGE BEAUTY 1971. Yellow-orange. HC '69, '70. HM '72.	\$12.50
YELLOW RUFFLES 1971. Lemon yellow. HC '72.	\$12.50
PINK SLEIGH 1970. Blue-pink; red beard. HC '68, HM '71, AM '73.	\$12.50
SALMON DREAM 1970. Salmon pink; salmon pink beard. HC '68, HM '72.	\$12.50
YELLOW CHIFFON 1970. Canary yellow. HC '64, '68. HM '71.	\$8.00
CREAM TAFFETA 1970. Light cream. HC '68, '69. HM '71, AM '73.	\$8.00
ORCHID TAPESTRY 1970. Medium orchid. HM '72.	\$8.00
PINK BALLET 1969. Blue-pink, pink beard. HC '68, HM '70.	\$8.00
DRESDEN FRILLS 1969. Smooth beige pink. HC '68, HM '70, AM '72.	\$4.00
PINK TAFFETA 1968. Blue-pink; pink beard. HM '69, President's Cup '70, AM '72, Dykes Medal runner-up '73.	\$5.00



PINK BALLET (Rudolph '69)

NO CATALOG THIS YEAR. ORDER FROM THIS AD.

All prices are net. Check, draft or money order must accompany order. No C.O.D. please. Irises will be shipped parcel post, special handling from mid-July to September 1. We ship only state-inspected plants and true to name. If not satisfied, notify us promptly.

NATE AND THELMA RUDOLPH LAKELAWN GARDENS

405 Lakelawn Blvd.

Aurora, Illinois 60506

AVONBANK IRIS GARDENS

Dr. Lloyd Zurbrigg

903 Tyler Avenue

Radford, Va. 24141

Specializing in High-Quality Remontants

Garden on Tour for 1974 AIS Convention

1974 INTRODUCTIONS

BAROQUE PRELUDE—Powerful contender for “best yellow amoena.” Show stalks, 36”, excellent foliage and growth. Pure white S. with tiny rim of yellow. F. primrose yellow, horizontally-flaring, further upturned at the tips. Non-remontant here, but may in warmer climates. Fertile pollen. (Grand Baroque X Amy) Sdlg. 69-25-WFYA.\$35.00

EVA LOUISA—Amazing color break from a TB amoena X Emma Louisa. Lovely white with areas of pink, constant. Excellent stalks, 36”. Non-remontant here. Fertile both ways. All siblings were bicolors. Beard orange-pink. Sdlg. 68-76-FIRST.\$30.00

I DO—“Just like a bride’s bouquet!” Pure white, with a central shimmer of green. Lovely ruffled form. Stems 32”. Branching adequate. Texture superb. Fertile both ways. Remonts here in September and October. Straight stems. (Grand Baroque & Amy) Sdlg. 69-25-XL.\$25.00

JAVA SUNBIRD—An exceptionally brilliant deep yellow amoena. The drenching of bright yellow on the falls catches all eyes. The white S. have considerable influence of yellow. Well-branched stems, 30” to 36”, with high bud count, usually eleven. Pod fertile, some pollen. Blooms May and early October. (Sdlg. x Java Dove) X Gold and Ermine. Sdlg. 68-112A-Oct.\$30.00

MARY MARIA (*Mary Maree-uh*)—Apricot-pink of good width, lovely color, and respectable form. Excellent stalks, well-branched, 36”. An impressive rebloomer, remonting in late September and October. A very lucky break from the outcross. (Lovely Light X Summer Pink). Fertile both ways. Sdlg. 68-39.\$20.00

PRESUMPTION—We boldly predict this variety will open new vistas. The best grower in the garden, hardy, floriferous. Many siblings were gorgeous. This one is only showy! Light yellow ground with reddish red-violet markings. The only remontant from the cross of House of Lords X Da Capo. It is fertile both ways and proved an excellent parent last fall when its first seedlings bloomed. Stalks 35”, well branched. Reblooms early October. Sdlg. 68-114-B.\$20.00

TREASURE MAP—Lovely, wide chartreuse-yellow self. Excellent form, branching, substance. Stem 36”. Outstandingly clean and clear as a map should be. Best of many seedlings from (Illini Gold X Da Capo). Not remontant, but rock-hardy and quite fertile, pointing the way to super yellow and chartreuse rebloomers, and yellow-ground plicatas. Sdlg. 68-29A-Wide.\$20.00

10% Reduction on orders received by June 1, 1974. Previous offer expires as of this publication.

Catalog on request

GENE & GERRY'S IRIS GARDENS

39 East Patrick St.

Frederick, Maryland 21701

1974 INTRODUCTIONS

KINDNESS (Burger '74)\$35.00

Sdlg. D-12: Arctic Flame X Irish Lullaby. TB, 31", M. A deep rich pink self with bright red beard. Beautifully ruffled, flaring form with lace; good substance. Good health and growing habits. Stalk has 3 branches and 7 buds. This is our sdlg. which received 30 votes for its HC in 1973. You will love it!!!

KELLY (Burger '74)\$25.00

Sdlg. E-67: (Sdlg. C-20: Silver Peak X Melodrama) X Orchid Brocade. TB, 36", M-L. Light lavender-orchid standards; deep red-violet falls with brown hafts. Yellow beard completes this unusual ensemble, which is very attractive. Good form—very flaring. Excellent branching—6 to 7 buds. Received 11 votes HC 1973.

SAIL MASTER (Burger '74)\$25.00

Sdlg. E-50: Amigo's Guitar X Milestone. TB, 36", M-L. Large, ruffled and flaring blossom. Butterscotch standards and dark blue-violet falls. Beard is violet tipped brown. Excellent branching—9 buds. Good vigorous growing habits. Received 7 votes HC 1973.

HAPPY NOTE (Burger '74)\$25.00

Sdlg. E-21: Crossman 66-02: (((June Meredith x Fleeta) x Esther Fay) x Chinese Coral) X Jones 707-1: ((Bright Magic x Marilyn C.) x (Marilyn C. x Shoop 58-18). TB, 37", E-M. Bright coral-orange self; tangerine beard. Form is ruffled and flaring. Growth habits are ideal. Branching good; bud count 7. This one also received an HC 1973 with 8 votes.

PREVIOUS INTRODUCTIONS

LOUDOUN CHARMER (G. Crossman '73). TB, 38", M.\$20.00

S. cream with a hint of orange; F. med. violet with bronze border. Tang. beard. Excellent grower. Favorite Guest Iris 1973 Convention.

GOOD INVESTMENT (Burger '73). TB, 32", E-M.\$20.00

Med. violet-purple, graced with ruffles and perfect form. Ideal habits.

VIKING ADMIRAL (Burger '73). TB, 34", M.\$17.50

A reverse blue bitone with good form and excellent color contrast.

DOVER BEACH (Nearpass '72). TB. White-blue bicolor\$12.50

LOUDOUN LASSIE (Crossman '72). TB orchid bitone\$15.00

SKYBURST (Burger '72). TB. Lovely ruffled apricot. HC 1971\$12.50

ORCHID SKIES (Burger '72). TB. Ruffled orchid blend\$12.50

MAY ROMANCE (Crossman '71). TB. Beautiful orchid bitone\$17.50

SAILOR'S SKIES (Burger '71). TB. Light blue-violet plicata\$ 5.00

LADY OF LOUDOUN (Crossman '70). TB. Light lav. with border ..\$ 5.00

List on request. Please add \$1.50 to cover postage and handling.

NEVA SEXTON'S IRIS GARDEN

1709 Third Street

Wasco, California 93280

SEA OF GALILEE (Sexton '74). M, 34".

Babbling Brook X (Poet's Dream x sib to Mixed Emotions). Standards are a light French blue. Fall a deep blue. Blue-white beard. Large beautifully formed flowers with heavy substance. Closed stands and flaring falls. Well branched stalks with many blooms. Something new in a *Blue Iris*. Seedling 54-67. HC 1973.\$25.00

SKYLAB (Sexton '74). M, 34".

(Pacific Panorama x Celestial Snow) X Hidden Magic. Large beautifully formed flowers with blue-white standards and deep navy blue falls, with a silvery edge. Blue-white beard. The strong stalks are well branched with many blooms.\$25.00

JACK R. DEE (Sexton '74). E, 36".

(Pacific Panorama x Celestial Snow) X ((Hidden Magic x (Happy Deb x Rococo)). Very wide, fluted and ruffled petals are a delicate shade of azure blue. A rich, deep navy blue beard adds to its beauty. Closed stands with flaring falls. Four way branching with nine to twelve blooms per stalk.\$25.00

We all know Jack Durrance's love for blue Irises with dark blue beards. He found this Iris in my seedling patch a few years ago.

SPANISH STREET SONG (Sexton '74). E, 36".

(Ruth's Love x Hidden Magic) x Sing Along. Splashy sizzling colors, suggesting the verve and dash of a Spanish or Mexican dance. Stands are golden yellow. Falls are a rich red-brown, with a golden edge. Golden yellow beard. Well branched stalks with many blooms. A rebloomer here in California.\$25.00

CHRISTENING PARTY (Sexton '74). M, 36".

(New Frontier x 127-63) X 63-65. A frilled, fluted and heavily laced beauty of elegant form. A cream self with a golden yellow beard. Falls have a gold laced edge. Well branched stalks with nine to twelve blooms.\$20.00

You may order from this ad. Gift iris with each order. Please add \$1.50 for shipping charges. Complete price list on request.

California residents add 5% sales tax.

BROWN'S SUNNYHILL GARDENS

Rt. 3, Box 102

Milton-Freewater, OR. 97862

INTRODUCTIONS 1974

CAMEO PINK (O. L. Brown '74). TB, Mid., 26". Lovely flowers with firmly held standards and flared, lightly fluted falls. S. are Venetian pink with daintily crimped edges a bit lighter. F. are white with pink reverse, which shows on the crimped edges; hafts flushed pink; and beards deep pink. Two branches, spur and terminal. Dainty and pretty! Sdlg. 9-16D18: (Involved pinks x Chinese Coral) X Buffy.Net \$20.00

GAY WINGS (O. L. Brown '74). IB, Mid., 26". Strongly held standards are apricot-yellow with pink infusion. Horizontal falls are peach with large distinct spot pattern of apricot-brown. Beards are tangerine to pale yellow. 5 buds. Sdlg. 9-3B50: Gay Whisper X Lenna M. ..Net \$7.50

INSTANT CHARM (O. L. Brown '74). TB, Mid., 38". Beautifully formed flowers with ruffled, domed standards and semi-flaring falls. S. are Neyron rose; ruffled F. are same with lavender saturation in edges and a warm amber-pink blend on hafts. Glistening finish overall with beards of Chinese coral. Three branches plus terminal; 9 to 10 buds. HC '73. Sdlg. 9-10F2: Rippling Waters x (Pipes of Pan x Dawn Flight) X sib.Net \$25.00

MYSTIC VISION (O. L. Brown '74). TB, ML, 28". Five-inch flowers. Ruffled standards of light salmon pink are strongly held. Fluted, arched falls are light salmon with smooth amber-pink hafts. Eye-catching beards have deep purple base with hairs brushed tangerine, and tend to change color when viewed from different angles. 7 buds. Should be interesting breeding stock. Sdlg. 8-1A90: Lightning Ridge X Christmas Time.Net \$20.00

NEON MAGIC (O. L. Brown '74). TB, ML, 35". Widely flaring orange with closed standards, ruffled petals and heavy substance. Outstanding feature is the long, rich orange, plushlike beard of half-inch width. Very striking and colorful. Nice stalk with 7 buds. Won the "Best Seedling Award" at 1973 Region 13 Meeting as Sdlg. 9-19E1: ((Chinese Coral x pink sdlg.) x Orange Parade) X (Lightup x Chinese Coral). ..Net \$25.00

QUEEN OF HEARTS (O. L. Brown '74). TB, Mid., 34". The iris you've been waiting for! Domed standards of coral pink with deeply laced edges. Wide hafted, arched falls of pearly white with coral-buff hafts and decorative coral-buff lacy edging. Showy beards of coral-pink. Ideal branching with 10 buds. HC '72 under Sdlg. 70-6F5. (Grandiflora x Christmas Time) X Buffy. Sure to win your heart!Net \$25.00

For our complete listing send for catalog.

MELROSE GARDENS

309 Best Road South—A

Stockton, CA. 95206

1974 INTRODUCTIONS

SUMMER LOVE (Doris Greenwood). THAT apricot and peach bitone seen at the Oregon Convention.	NET \$25.00
TRILL (Collie Terrell). Ebulliently ruffled white.	NET \$25.00
PLEASURE FAIRE (Joe Gatty). Cattleya orchid with pink hafts.	NET \$25.00
MOUNTAIN RED (Steve Weiler, Junior member). IB in wine red.	NET \$10.00
YELLOW WAVE (Susan Weiler, Junior member). IB in bright yellow. Reblooms.	NET \$10.00
MARY DUNN (Hager). Louisiana. Pale lavender ice.	NET \$15.00
VI LUIHN (DuBose). Deep violet Siberian. Branched.	NET \$15.00
SAVOIR FAIRE (DuBose). Smooth dark violet Siberian.	NET \$10.00
STARSTEPS (Hager). Intermediate size, white Siberian.	NET \$ 7.50
SARONG (Hager). Spuria. Devil's food brown and yellow. ..	NET \$10.00
TUPTIM (Jonnye Rich). Japanese iris. White, veined violet. ..	NET \$10.00
LITTLE TYKE (Jonnye Rich). Miniature dwarf arilbred. Very cute.	NET \$ 7.50

BRINGING THE BEAUTY OF CALIFORNIA IRIS TO THE WORLD

Tall Bearded, Median, Dwarf, Arilbred, Reblooming and Novelty Iris at DISCOUNT PRICES.

FEATURING: Spuria, Siberian, Louisiana, Japanese and Water iris.

Complete descriptions in our new
1974 MELROSE GARDENS Catalog

35¢ on request

Old Brook Gardens

Announces two new Siberian introductions from Prof. Wm. McGarvey. We also call attention to an error in the April 1973 ad. The error was listing an iris under the name "Foxfire" before clearing it for registration. The misnamed iris has been correctly registered under the name of DEVIL'S SCION (see below).

RED PASSION (1974) 40". From Temper Tantrum X (a complicated inbred combination of Super Ego and Royal Ensign). This plant has good characteristics inherited from all of its well known parents. It carries large handsome, deep purplish red flowers similar to the Royal Ensign coloring, but brighter on well-branched stalks. It blooms after the main TB season.Net \$45.00

AUGURY (1974) 40". From the same breeding as RED PASSION with the same good characteristics but very different in flower. It carries large, ruffled, rounded flowers that open pink but quickly convert to a bright and attractive light purple. It also blooms after the TBs.Net \$45.00

Previous McGarvey Introductions

DEVIL'S SCION (1973). Pure *I. fulva* from Devil's Advocate selfed. Like its parent it grows well in Oswego, N.Y. and blooms and reblooms there.Net \$35.00

WING ON WING (1969) 38". Handsome white quite different from White Swirl. From Ego x Blue Burn.Net \$35.00

BLUE WILSON (1972) 52". Forty Chromosome hybrid from *I. wilsonii*. Tall and strong standing its flowers are the bluest blue. Requires moist but not wet soil.Net \$35.00

DEVIL'S ADVOCATE (1972) 15". Pure *I. fulva*. Flowers bright red orange. Prospers in Oswego and reblooms in August and September. Needs year round moist humusy soil and likes extra moisture in the spring and summer.Net \$35.00

EGO (1966) HM 1967, JC 1968, Morgan 1972. The best of the 28 chromosome McGarvey blues.Net \$10.00

FORETELL (1970) HM & Judges Choice 1971. A fertile hybrid between the 40 chromosome *I. forrestii* and a 28 chromosome Siberian hybrid. Named to suggest future use in breeding.Net \$25.00

FORREST SCION (1970) HM 1971. Brilliant yellow improvement over its very good parent—King's Forrest X Self.Net \$25.00

ID (1969) HM 1970, Judges Choice 1971. Velvety black from pure *I. chrysographes*. Pure to species in form. Requires moist soil year round.Net \$10.00

KING'S FORREST (1969) HM 1970. Clear light yellow from pure *I. forrestii* breeding. Excellent parent. Requires moist soil year round.Net \$12.00

SUPER-EGO (1966) 32". HM 67, JC 68, Morgan Award 71. Truly unusual Siberian form, standards pale blue, falls darker blue at edges fading into powder blue near center.Net \$10.00

DEWFUL (1967) 40". Sister to Ego, entirely different form. Received HM 1968. President's Cup 1970, Morgan Award 1970.Net \$10.00

BLUE BURN (1968) Sib to Ego and Dewful but different from both. HM 1968. Burn in Scotland means river or stream.Net \$15.00

SEND FOR free catalog (no color) with other Siberian, Tall Bearded and Median introductions from Kuesel, Peck, Stuart, Stephenson, Warburton and Wood

... Over 300 varieties ...

HARRY B. KUESEL

10 South Franklin Circle

Littleton, Colo. 80121

OUR 1974 INTRODUCTIONS

AUTUMN RED (Thomas 1974). M, 30". Chinese Coral X Orange Parade. A self of Indian Lake red or a blend of rich copper-rose or bright magenta rose and deep bengal red (HCC 826/2). Colors are bright. Lightly laced and ruffled, broad, semi-flaring F. Good branching and red beard\$20.00

LUPINE BLUE (Thomas 1974). M, 36". Skywatch X Rippling Waters. An extra good Lupine blue self (HCC 42/1) with good branching. Wide, round F. and an extra large flower with a yellow beard. Sdlg. 70-43. \$20.00

1973 INTRODUCTIONS

BLUE JUNIATA (Thomas 1973). E-L, 34". Skywatch X Cross Country. We have named this flower after one of our most beautiful Penna. mountain rivers. JUNIATA is an Indian name, signifying "Projecting Rock" or "Standing Stone," which is said to have reference to a projecting rock to which the Indians paid reverence. This flower is just as beautiful as the above river. It is a huge flower of wonderful form and finish. Most of the flowers are about 7 inches wide and about the same in height, with closed standards and wide, round falls, that are very heavily substantiated. This iris can be quite a spectacular thing. It is a hyacinth blue self (HCC 40/2), with a white beard, flaring falls, good branching and a strong grower\$15.00

GREAT MOUNTAIN (Thomas 1973). M-L, 32". Irish Lullaby X Rippling Waters. The Iroquois and Delaware Indians called the mountains in Penna. west of the Susquehanna River and along our near-by Juniata River "The Great Mountains." As the Indians felt about these mountains, we also feel that this iris stands high above most irises, and that it also is really a GREAT iris. It will add a classic note of elegance and beauty to any garden. It has reddish Bishops violet (HCC 34) standards and Amethyst violet (HCC 37/2) falls a little lighter than the S. It has cinnamon-colored hafts and a red beard. Domed standards, flaring falls, ruffling and lace, and a good grower\$15.00

1972 INTRODUCTION

BIG SMOKY (Thomas 1972). EM, 34". Dreamtime X Mulberry Wine. The color of this iris by the color charts is really reddish aster violet. However, it does have a "smoky" different color that is hard to describe, and does remind one of INDIAN SUMMER. The color is not a "dirty" or "dull" color, but a different color that everyone notices and likes. Ever since we first saw this seedling in our seedling patch, everyone has been calling it "Big Smoky." It has wide brown hafts; wide, round falls; closed standards; red beards; ruffling and good branching and grows good\$15.00

When buying any of our introductions, we will continue giving one of our own introductions as a bonus. Please list your selection.

Write for color list of previous introductions.

THOMAS GARDENS

P.O. Box 155

Salttillo, Pennsylvania 17253

Manley C. Osborne

SPACE AGE IRIS

INTRODUCTIONS

I have been breeding iris since Lloyd Austin introduced the first Space Age iris UNICORN in 1954. After 20 years, I present my first introductions:



MIZ LIB



SPACE DRAGON

MIZ LIB (Manley C. Osborne, 1974) Seedling L-2. She liberates the iris form! A spooned blue plicata. Falls are flaring and under good growing conditions the plicata spoons are large and liling. A good breeder. \$25.00.

SPACE DRAGON (Manley C. Osborne, 1974) Seedling 2-19. A Space Age charmer for those who love the unusual. The rugged **SPACE DRAGON** is a blend, with tan standards and violet washed falls blending to a brownish border, though newly opened flowers give a somewhat more red effect. Tannish spoons. \$25.00.

Many new **SPACE AGE** beauties have been hybridized and are being increased and tested for possible future introduction.

Remember, Space Age iris appreciate good growing conditions for best spoons and horns, and appendages are somewhat variable.

GROW THE UNUSUAL!

No catalog, but for those truly interested, a 2x2 colored slide of either 1974 introduction will be sent free on request.

MANLEY C. OSBORNE
Space Age Iris Hydridizer

1199 Crandano Ct.

Sunnyvale, California 94087

PALMER'S IRIS GARDEN

ANGELIC: SDB, 12". Sdlg. 7156. S. very pale yellow to nearly white; F. deep lemon yellow; white beard. Appearance is of a yellow amoena. S. are closed; F. are wide, round, horizontally flared, lightly ruffled and have good substance. A favorite at Carol Ramsey's garden in 1973. EC 1973, HC 1973. 6824 (Knotty Pine x unknown) X unknown.\$5.00

ENCHANTED BLUE: SDB, 12". Sdlg. 6855. Deepest sky blue self with deeper blue veins. Beard yellow tipped lemon. Falls are lightly ruffled, round, semi-flared and have good substance. Flower size is slightly smaller than average SDB size. Breeding: Deep sky blue selfs and medium deep violet-blues. Apparently quite pure blue color with little or no violet in it. Liked at Carol Ramsey's garden in 1972. Little Wonder X Blue Denim.\$5.00

CRIMSON VELVET: SDB, 10". Sdlg. 7003. S. medium red-violet; F. deep red-violet with velvety texture; yellow beard. F. are well flared, wide, round and of heavy substance. Good form breeder, and throws some mauve to medium red-violet things with deeper red-violet spots. Lilli-Yellow X 6502 ((Green Spots x Balkana (40 C cultivar) not species)).\$5.00

ROYAL CARNIVAL: SDB, 13". Sdlg. 6961. S. dark violet; F. same, veined deeper violet and slightly darker spot; white beard. S. closed; F. wide, round, flared horizontally, and heavy substance. 6617 ((6425 (Pierre Menard x Shining Waters) x Sulina)) X unknown. Best sdlg. at SSIS show 1971, EC 1971.\$5.00

KATIE PEARSON: IB, 22". Sdlg. 7171. S. brassy brown blend; F. same with slightly darker shoulders; bronze beard. Wide, round semi-flared falls of good substance. 1-2 branches, 5 or more buds. Good proportion. Jungle Shadows X Knotty Pine.\$15.00

ANGELIC BLUE: BB, 20". Sdlg. 69141. S. medium blue-violet; F. medium deep blue-violet. Wide, round, ruffled, horizontally flared and heavy substance. Yellow beard tipped lemon. Good size and proportion for a border iris, and has remained so here. Regina Maria X 6730 (Silver Chalice x Whole Cloth). EC 1972, Best Sdlg. SSIS Show 1972.\$20.00

Stamp for list of previous introductions and select list of other falls, borders, intermediates and standard dwarfs. Extras on all orders.

MR. CLEO PALMER

Rt. 1, Box 152

Geary, OK. 73040

LES PETERSON-IRIS-New for 1974

1320 Murphy Lane • Salt Lake City, Utah 84106

TALL BEARDED

AMANDA SINGS. TB, 34-35", ML. ((Grand Spectator X (Jet Fire x Flashing Gem)). Full standards of medium chartreuse-tan; wide falls of clean white with ¼" band color of standards. Beard medium yellow with purple-red lines alongside giving pleasingly delicate pastel plicata effect. HC '73.\$25.00

BARLETTA BAY. TB, 34-35", ML. (Song of Paris X Pop O' Sha). Full standards of misty white; falls same at hafts and extending irregularly halfway down falls, balance medium blue with slight overlay of lavender. No two falls are marked identically. A 'fancy' color pattern charm flower. Named after the small seaport town of Barletta in southeast Italy.\$25.00

BURNISHED SUNLIGHT. TB, 34-35", ML. ((Orange Pagoda x Tantallon) X Corangé)). Here is an iris rich in the beauty of autumn brown. Wide and ruffled standards of butterscotch-brown; falls rich medium yellow with large lighter center area bordered color of standards. Beard butterscotch yellow.\$25.00

ECHO MADRID. TB, 34-35", ML. (Lilac Champagne X Gala Madrid). Well shaped, full standards of soft lemon yellow with narrow edge of pale lavender surrounding and at base; wide falls of deeper lavender-red with smooth finish. Yellow beard. Attractive and beautiful as both parents.\$25.00

WESTERN SALUTE. TB, 38", ML. (((LP 64-202: (tracing to Native Dancer x Pink Fulfillment, Party Dress, Pink Lace, Premier Peach) x Gypsy Lullaby x Country Poet)) X Cambodia)). Large buds of tan-chartreuse unfold into a heavily ruffled flower of this color; falls have wide area of pale or soft blue that covers almost entire surface, gradually fading to off white; beard is slightly deeper tan-chartreuse. Falls flare horizontally; standards are semi-erect and slightly open at top. Bud count, stalk, branching excellent. HC '73.\$30.00

ARILBREDS

GOLDED WHITE. AR, 28", M. (Kalifa Kashan X Esther the Queen). Warm white or cream self with suede-like finish and undertone of soft yellow; soft yellow styles; beard almost orange-yellow with tiny dot of blue at end. A pleasing flower—near approach to white in arilbreds.\$15.00

MERRIGLOW. AR, 28", M. ((Esther the Queen X (El Kazar x red sib to Soni Ce)). Standards lavender-pink-tan with overlay of red; falls deeper red with satiny finish and ¼" band color of standards. Beard dark brown surrounded by narrow area of almost black, giving appearance of dark signal.\$15.00

PINK ENTRY. AR, 24", M. ((Snow Flurry x Asoka of Nepal) X Dove Song)). Soft medium pink, usually flecked deeper pink (depending on weather). Beard is deeper yellow with slender signal of medium red at end.\$15.00

Previous Introductions—all sellouts last year

CAIRO LYRIC '73. Unusual bicolor with full standards and beard of butterscotch bronze and wide falls of near blackness. Sure to please. \$22.00

DAWN POETRY '73. Pleasingly ruffled with full standards of peach-pink; wide falls of hazy white, soft pink bordered. Soft burnt orange beard with small blue marking at tip. A charm iris—tall, well branched. \$22.00

ROAD FROM MADRID '72. Gorgeous variegata with tan-yellow standards and rich mahogany-brown falls. Smooth hafts.\$17.50

BANGLADESH '72. An arilbred of distinction. Standards deep blue, veined deeper; falls blue-black with pink overlay. A winner.\$15.00

IRISES FROM THE GARDENS OF

JAMES E. AND SEARCY S. MARSH

Due to their shortage of help, Wild Nursery of Sarcoxie, Mo., will no longer handle our new introductions.

FIVE STAR ADMIRAL (Marsh '74). 70-31. TB, 34", M. Sailor Togs X Bristol Gem. This huge dark blue self with lemon beard has round falls that are 4" across; overlapping hafts without visible markings; ruffled all around including the haft. Standards are stiff and closed, same color as falls. The substance is very heavy as color and flowers hold very well in the hot sun. The 34" stalks are strong with ideal branching, carrying up to ten of these huge flowers, well spaced. The flower size holds to the last one. Foliage is a clean blue-green, and the plant is very vigorous and has good increase. Fertile both ways. H.C. 1972. We think this is by far the best iris we have introduced to date. Although we have many advance orders, we also have ample stock. Therefore, in order to get better distribution, we are holding the price to \$25.00. (See color picture in January 1974, BULLETIN).

FORMER INTRODUCTIONS

HARBOR FIRE (Marsh '73). Description in our ad in the April 1973 BULLETIN. \$20.00 each; two for \$35.00; three or more rhizomes \$15.00 each.

TANGERINE SUNSET and SAIL ON (Marsh '72). Descriptions in our ad in the April 1972 BULLETIN. \$15.00 each; two for \$25.00; three or more, any combination, \$10.00 each.

LACED PETTICOATS (Marsh '70). \$10.00 each; two for \$17.00; three or more \$7.00 each.

SUN TEMPLE and MOON DANCER (Marsh '70). \$5.00 each.

SAILOR TOGS and CHICAGO (Marsh '69). \$4.00 each.

MOLTEN GLASS (Marsh '68). \$3.00 each.

PRAIRIE SKIES, SKY HARBOR, ORCHID DANCER, BRIGHT MOON, ORANGE TRIUMPH, DISTANT HILLS, HARMONY HOUSE, PIRATE TREASURE and PRAIRIE BLAZE, \$2.00 each.

We give no discounts other than deduction for quantity stated above. You may choose extras from our former introductions. We have no catalog and have no other irises for sale. We will replace losses through any cause as long as we have available stock.

We wish to thank our customers for their fine patronage, and we shall continue to serve them as we have in the past.

MARSH GARDENS

3904 N. Ottawa Avenue

Chicago, Illinois 60634

QUALITY REBLOOMERS

From the Garden of R. G. Smith



RETURNING PEACE—1974

Our 1974 introduction is tall, wide, and handsome. Seven to nine buds. White with orange-tangerine beard. Outstanding increase, health, vigor, and growth habits. A cut stalk developed perfectly formed flowers for over two weeks. Fine branching and extra heavy substance. (Rippling Waters x reb. sdlg.) X (sib to Laced Duet) \$30.00

MOONLIGHT DUET (1972) Light yellow plicata. Extremely wide, flaring, ruffled form. Fine parent.\$22.50

RETURNING GLORY (1972) Light pink-orange self. Wide, ruffled, heavy substance. Up to 15 buds on a short but widely branched stalk. Extremely healthy. One of my finest growers and increasers.\$17.50

FALL FULFILLMENT (1972) Beautiful dark purple on snow white plicata. Once established is fast to increase, but doesn't like to be moved.\$17.50

One rhizome of each of the three immediately above.\$40.00

Previous introductions at \$7.50 each

BROWN DUET (1971) A brown bitone, tall, vigorous and with many buds.

SEA DOUBLE (1971) Still one of the best in the ruffled blue class.

LACED DUET (1969) Despite its age is still one of the best light pink rebloomers on the market today. Wide, ruffled, vigorous.

One rhizome of each of the three immediately above.\$15.00

One rhizome of each of the seven listed above.\$80.00

We had two huge bouquets from cut stalks for Thanksgiving and the final flower lasted until November 28. All of the above except Returning Peace have been used heavily as parents and do produce quality reblooming seedlings. All have repeated here for many seasons. They have to be strong, disease resistant plants to survive as rebloomers. Nothing else for sale. Early summer shipment. If extras, they will be my named rebloomers. Order now from RAYMOND G. SMITH, 3821 Sugar Lane, Bloomington, IN. 47401

1974 Introductions

REES IRIS GARDEN

COUNTRY SUNSHINE (Sellman). TB, 38", Midseason. (Denver Mint X Kingdom). This happy child of two fine parents is a bright aureolin yellow self with orange beard, closed standards, flaring falls, heavily ruffled on all petals, with three branches and terminal. But statistics do not give any idea of the impact this iris carries in the garden. Its huge, handsome blossoms beckon visitors from all over our iris acre, and are greatly admired. Seedling C-22.Net \$25.00

STAR OF ESTE (Sellman). TB, 36", Midseason. (Light and Lovely X French Lace). Light and Lovely is proving to be a remarkable parent, and Star of Este is one of the proofs. It is a WHITE white, brilliant as the diamond for which it is named. A huge, lacy self, it has a lemon beard, closed standards, widely flaring falls, candelabra - type branching and great vigor of plant. Seedling D-9.Net \$25.00

EARLIER INTRODUCTIONS

EMERALD TOUCH (Sellman, 1973). Lovely light French blue self. Distinguished from others of its color by uranium green thumbprints. \$20.00

LUCELIA (Sellman, 1973). A big, waved neglecta, which differs from other neglectas in a rosiness of tone.\$20.00

LORD WILBUR (Sellman, 1973). Standards garnet brown; falls bishop's violet with garnet brown edge; deep toned, yet bright.\$20.00

CLARA'S BLACK (C. Rees, 1972). Black plush from the red side with heavy bronze beard.\$15.00

SUN CAP (C. Rees, 1972). Non-burning, sunny, golden-laced yellow.\$15.00

CIRCLE STAR (Sellman, 1972). Crisp blue-on-white plicata, beautifully balanced, no center line on falls.\$15.00

DONNA CLARA (Sellman, 1972). Poised sulphur yellow, heavily ruffled.\$15.00

LACE MANTILLA (Sellman, 1972). Creamy laced self.\$15.00

MISS MOUNTAIN VIEW (Sellman, 1972). Deep purple color saturation with metallic sheen.\$15.00

FRESH AS PAINT (Sellman, 1971). Chinese yellow standards; amethyst falls, edged magnolia purple.\$12.50

RUTH MARGARET (Sellman, 1971). Azalea pink standards; creamy falls with pink edge.\$12.50

VICTORIAN DAYS (Sellman, 1971). Pink standards; violet falls. A color break. Popular.\$15.00

WALTZING (C. Rees, 1969). Crisp, ruffled lavender. The most beautiful iris originated by Clara Rees.\$12.50

Order from this ad, please. No catalog.

We give generous bonuses with all orders. Tell us what you would like, but give us at least two choices.

RUTH REES

1059 Bird Avenue

San Jose, CA. 95125

LOLETA KENAN POWELL'S

1974 Iris Introductions

ATLANTIC RIPPLES: 35", E-VL. (Lady Ilse x Rippling Waters). Ripples all over. This charming blue-orchid with alive rosy tangerine beards is flared and will delight the beholder for a very long period with many, many flowers. Fine performer with 4-way branching. Fine increaser. Sdlg. # 72-42.Net \$25.00

CAROLINA SUNSET: 34", M-VL. Carolina Gold X (Carolina Gold x Sdlg.). Delectably smooth, complete brilliant orange self that will be the focal point of your garden. The most dependable deep orange to date. It has inherited the vigor and certain performance that make Carolina Gold a favorite wherever grown. Ruffled edges of the horizontal falls and the gold-orange beards are additional assets. Very floriferous, and a proved excellent breeder. Hybridizing Cup of the N.C.I.S. in 1973. Sdlg. 72-18. Limit one per customer.Net \$35.00

GERTRUDE WEIL: 40", M-VL. (Carolina Royal X Prince Indigo). A deep blue-violet 9" sister to Carolina Fragrance that commands attention of all visitors. Named for my good friend and the real inspirer by her confidence in this business, the late Miss Gertrude Weil of Goldsboro, N.C. This iris is as she was—a gentle giant. Branched 4 ways; 2 buds per socket. Its falls are absolutely horizontal—the favorite color and form of the famed irisarian for which it was named. Beards gold, tipped violet. Foliage clean and proportionate. Also, delightfully fragrant. Sdlg. 69-92. Limit one per customer.Net \$35.00

One of each of the three 1974 Introductions—\$85.00.

Three recent introductions again sell-outs last year

CAROLINA FRAGRANCE (Powell '73). 36", E.M.L. Striking medium blue-violet sister of GERTRUDE WEIL. This has conic standards, horizontal falls. Fine branching and large. It is a certain performer, and has the most pronounced sweet fragrance in the garden. Foliage clean and purple-based.Net \$30.00

CAMELOT WINE (Powell '72). 36", M-VL. This most beautiful 7½" wine bitone is termed "a masterpiece" by Tell. Falls have unique edges, which ruffle upward, placing their lighter reverses against the plush velvet wine falls. Ideal branching and but count; beards rosy tangerine. Incredibly beautiful! Fine breeder. Better established. (Camelot Rose X Wine and Roses).Net \$25.00

CAROLINA HONEY (Powell '72). 36", M-VL. Compelling, ruffled all over, 7" honey-tan self termed by Tell "the best in its color class." Really luscious, with waxen substance, deep gold beards, certain performance. Every year an instant attraction! Proved breeder.Net \$25.00

Among other Powell Irises, we especially recommend

BRIGHTLEAF (Powell '70). 30", E-L. Exact color of N.C.'s famed "Brightleaf" tobacco. Always performs. HM '72.\$ 7.50
Three for \$17.50

CAROLINA GOLD (Powell '70). 34", E-L. The famous unfading rich gold. Vigorous, a positive performer, and a definite breeder's tool. Claude and Naomi O'Brien Cup '72. HM '72.\$15.00
Three for \$35.00

Most of the above on display at 1974 AIS Convention.

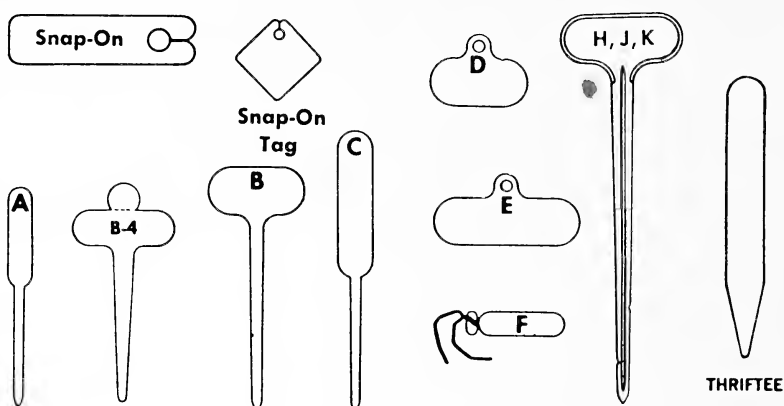
Order from this ad. Please include Postage. Catalog free to AIS members on request. Tel. 919-936-4421

POWELL'S GARDENS

Route 2, Box 87

Princeton, N.C. 27569

LIFETIME PLASTIC PLANT MARKERS



POSTPAID PRICES IN U.S.A. EFFECTIVE MARCH 1, 1974

LIFETIME MARKERS	50	100	500	1000
A—4½" Vertical Stake	\$ 1.25	\$ 1.95	\$ 7.45	\$ 11.90
B—4" Tee Stake	1.00	1.60	6.50	9.75
B—2" x 5" Tee Stake	2.00	3.75	13.50	23.10
C—6" Vertical Stake	1.75	2.95	12.25	20.75
D—1" x 2" Tie-on Tag, with wires	1.45	2.55	10.95	18.10
D-E—1" x 2½" Tie-on Tag, with wires	1.75	2.85	12.25	20.75
F—½" x 2" Notched Tag, with wires	1.25	1.90	6.75	11.50
G—½" x 3½" Nursery Tag, with wires	1.00	1.60	6.20	9.45
H—2½" x 8" Tee Stake	3.95	6.85	23.75	49.25
J—3" x 12" Tee Stake	6.25	11.50	41.20	79.40
K—4½" x 18" Tee Stake	11.25	20.50	81.50	160.00
P—1" x 12" Vertical Stake	4.75	9.00	33.50	65.00

All styles available in pure white. Style D also available in spring green. Style E replaced by style D-E.

THRIFTEE MARKERS	100	200	500	1000
4" x ⅝" Pure White or Spring Green	\$ 1.25	\$ 2.40	\$ 3.95	\$ 6.35
5" x ⅝" Pure White or Spring Green	1.50	2.90	4.75	7.50
6" x ⅝" Pure White or Spring Green	1.75	3.40	5.25	8.75
8" x ⅝" Pure White or Spring Green	1.95	3.75	6.25	11.00

SNAP-ON TAGS				
3" x ¾" Pure White or Spring Green	1.25	2.40	3.95	6.85
2" x 2" Pure White or Spring Green	1.75	3.40	5.50	9.75
WEATHERPROOF PENCILS	2 for 45¢	6 for \$1.25	12 for \$2.40	

Gable Iris Gardens

2543 38th Ave. So., Minneapolis, Minn. 55406

Schliefert Iris Gardens

RFD, Murdock, NB. 68407

Catalog—25¢



ALLEMANDE '73

ALLEMANDE (Schliefert '73). A smooth lavender-pink self with closed rounded standards and flaring falls. Good branching on strong stalks. M, 34". HC '72.\$20.00

RADIANT HEAT (Schliefert '73). A brilliant hot orange with a vibrant deep orange beard. Very bright and showy. Flaring falls and good substance. M. 32", HC '72.\$20.00

AMENITY (Schliefert '72). An exquisitely formed, rich full blue self which you must see to appreciate. The heavily substanted flowers are perfectly shaped; light yellow beard. Many blooms on tall, well-branched stalks. Excellent plant habits. 40", Late. HC '72.\$15.00

HAPPY HERITAGE (Schliefert '72). Nicknamed "Happy Time" in our own gardens, this luminous pink suggests just that. The heavily substanted flower is ruffled and fluted. Branching is very good on sturdy stalks. Good plant habits. 36", M. HC '71.\$20.00

ANGEL CHOIR (Schliefert '70). Beautifully shaped, waxy WHITE. The extra substance gives the flowers a long lasting quality. Excellent branching and plant habits. Hardy. For picture and awards see the back cover of the January, 1974, BULLETIN.\$15.00

TELL'S IRIS GARDENS PROUDLY PRESENTS

NEW FOR 1974

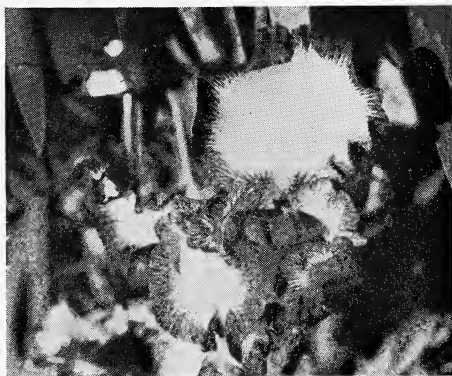
BLUE PROMISE (Muhlestein '74). Midseason-Late, 36". Denver Dawn X Pacific Waters. Medium-sized flowers of true azure blue self coloration; beard light lemon yellow. Carries the tangerine factor and could produce a true blue with the red or tangerine beard, and is being used in that direction. #153 A.\$25.00

IMITATION SKY (Muhlestein '74). Midseason-Late, 36". Ivy League X Crowning Glory. Another azure blue self. A large flower, very wide of parts. This and Blue Promise are bluer than anything I have grown or seen in tall bearded irises. Imitation Sky comes from two blue amoenas, and will be useful for this color combination. Limited stock. #128 A.\$35.00

JOYCE TERRY (Muhlestein '74). Midseason-Late, 38". Charmaine X Launching Pad. Named for my talented sister-in-law. This is not a new color combination, having yellow-domed standards, flaring white falls with exact yellow border. The cleanest and best contrast I have seen in this color class. Lots of charm and personality. Vigorous rhizomes and foliage. #493 A.\$35.00

LOUDER STILL (Muhlestein '74). Midseason-Late, 30". Loud Music X Gala Madrid. Rich buff standards; falls amaranth flushed violet without a vestige of a haft marking. Gold beard. The richest of a series of siblings from this natural cross. #228 A.\$25.00

STITCHED BEAUTY (Bion Tolman '74). Midseason-Late, 34". Dancer's



STITCHED BEAUTY

Veil X Stepping Out. A classic of a stitched plicata since its width and over-all quality is everything one could ask for. White ground with uniform one-fourth inch stitching of blue-lavender on both standards and falls, as though it has been handstitched. Styles are lavender, showing themselves nicely against the white background. Some light ruffling adds to its over-all charm. The white-tipped beard deepens to lemon-yellow in throat. #66-134-1. HC 1973.\$25.00

FESTIVE SKIRT (Hutchings). M. 36 inches. (Complicated pedigree. See '73 Registrations) A personable advance in the Plic-amoenas class. #71-28A.\$25.00

NEW VINTAGE (Hutchings). M. 28 inches. (Complicated pedigree. See '73 Registrations) Frank's advance in the pink and white amoenas class. #70-49 EH.\$25.00

TELL'S IRIS GARDENS

P.O. Box 331

(Ph. 801-224-6145)

Orem, Utah 84057

NEW FOR 1974

The Cherry Lane Gardens

of Glenn F. Corlew

2988 Cherry Lane
Walnut Creek, California 94596

DATEBOOK \$25.00
(Glenn F. Corlew 1974)

Large, broad petaled and very ruffled. The falls flare at an almost horizontal angle, giving an illusion of flight. In color it is a smooth, smokey rose self and sports a tangerine-orange beard. The extremely heavy substance gives long life to each blossom. Good increase and generous bloom, often giving three stalks on a first year plant. Fertile. 32". Mid-season. Seedling #605-A. Kimzey X (Signature x Flaming Heart). EC Concord Show 1972. HC 1973.

FOLKLORE \$20.00
(Glenn F. Corlew 1974)

A petite border bearded that has proven to be consistently rewarding here in its home garden. Bloom, stalk and foliage are all in good proportion to its place in the upper end of the border range. It is a complete self of clear, peach-pink with a matching beard. The petals are somewhat tailored, but have a distinctive lilt which gives the blooms a star-like silhouette. Fertile. 24". Midseason. Seedling #560-IB. Cherub Choir X Christie Anne.

FROM THE RECENT PAST

CANONERO (A. Corlew 73)	\$20.00
CARONDELET (Corlew 72)	15.00
CHERISHED (Corlew 73)	22.50
CONCH (Graham 73)	20.00
DREAM OF LOVE (Corlew 71)	12.50
GRAND ROMANCE (Corlew 71)	15.00
KAREN JANE (Graham 72)	15.00
PORTRAIT (Corlew 73)	20.00
PROCLAMATION (Corlew 71)	15.00
SECRET HEART (Corlew 72)	20.00
WATCHWORD (C. Corlew 72)	15.00

ECHO HILL GARDEN

DOROTHY S. PALMER

851 Weidmann Road

Manchester, Mo. 63011

1974 INTRODUCTIONS

EVENING CHIMES: (Ravenwood x Dark Fury) X Tuxedo. An intriguing dark bitone. The closed standards are a deep purple. The clean, wide, velvety black sémi-flaring falls are of heavy substance. Self beard. The whole flower is lightly ruffled. The stalk is strong and well branched. Ravenwood is a fall rebloomer here, so Evening Chimes may carry on these genes. Midseason, 35".\$25.00

HAPPY HARMONY: (Harmony House X Niswonger 2466). A delightful, frivolous bicolor. The standards are a rich pink; the falls a bright peach and yellow blend. The medium-size blooms darken at the edges and are very laced and ruffled and have a lovely sheen. Has a bright tangerine beard and the lacy stylearms match the falls. It has a crisp substance, and is a reliable performer. M-L, 36", HC 1970.\$25.00

NEW VENTURE: [Magic Morn x (((Frost and Flame x Lipstick) x C. Benson 56-9)) x One Desire)))] X Sunset Snow. A welcome addition to a very difficult class to achieve—pink amoenas! The ruffled domed standards are chalk white with a faint hint of pink at the base of the midrib. The broad, ruffled, flaring falls are a blend of pink and lavender. It has good form and branching, and is a dependable grower and a consistent bloomer. Midseason, 34", HC 1973.\$25.00

1973 INTRODUCTIONS

CONVERSATION PIECE. Ruffled brown blend. Short supply.\$25.00

FASHION TREND. Horizontal, ruffled light medium blue.\$22.50

STARRING ROLE. Vibrant, ruffled, medium yellow self.\$22.50

ECHO HILL GARDEN

DOROTHY S. PALMER

851 Weidmann Road

Manchester, Mo. 63011

1974 INTRODUCTIONS

BARBARA DAWN (Neubert '74). M, 35". Large, beautifully ruffled lavender-orchid self, heavy substance, good branching. Orange beard tipped white. (Lavish Lady x Rippling Waters) X Winter Olympics.\$25.00

GLORIOUS QUEST (Neubert '74). LM, 36". Smooth, wide Bishop's purple self, lightly ruffled, and well branched; wide blue beard. Allegiance X Matinata.\$25.00

SWAN POND (Neubert '74). M, 34". Large ruffled white. Wide petals of heavy substance and good branching. Orange beard tipped white. (Lavish Lady x Rippling Waters) X Winter Olympics.\$25.00

H. W. Neubert

NEUBERT'S FLOWER GARDENS

Rt. 6, Wayland Road

Knoxville, TN. 37914

INTRODUCTIONS FOR 1974

OFF SHORE—67-39-2: ((Frances Kent x Mary Randall) x Frost and Flame)) x (Beattie 59-41 x Blue Dove) X Blue Dove. The light blue of the ocean and the white of the breaking wave. Domed and closed standards are light medium blue. Wide, flaring falls are white; the beard is tangerine. Flowers are nicely placed on strong, well-branched stalks. The plant is vigorous. 35".\$25.00

ORANGE GLORY—67-29-1: (Orange Chariot X Bright Butterfly). An orange self. The large, beautifully formed flowers are ruffled and lightly laced; the beard is red-orange. Tall and a strong grower. An excellent parent. 35". ...\$25.00

SAND AND SEA—69-1-1: (Punchline X Cambodia). A small tall, just over the limits for border irises. Nicely held, ruffled standards are rich antique gold. Wide, ruffled falls are blue, bordered antique gold. Well branched; four or five flowers open at one time is not unusual. 30".\$20.00

Order from this ad or send for list giving complete pedigrees of these and my previous introduction. My introductions only.

BENNETT C. JONES

5635 S. W. Boundary Street

Portland, Oregon 97221

COUNTRY VILLAGE GARDEN

Introductions for 1974

SPRING MOOD (R. Goodrick '74). TB, 33", M. Perfectly formed flowers of wisteria violet with lighter area around yellow beard tipped white are ruffled and fluted. Good bud count, branching and plant habits. (Sdlg. involving Galilee, sib to Enchanted Snow, sib to White Caprice) X Rippling Waters.\$25.00

VILLAGE SQUIRE (F. Gaskill—R. Goodrick, Selector). TB, 36". Standards are pink-orange; broad, fluted falls are orange brushed green-gold at haft; heavy beard is fire red to tip; stylearms are very laced. Branching and bud placement good. Sunset Ridge X Roman Villa.\$25.00

Previous Introductions

GRACIOUS GIFT (R. Goodrick '73). TB, 32", M. A pure white with white beard yellow in throat; broad, rounded, flaring falls and arched standards; excellent branching.\$20.00

SILENT SYMPHONY (R. Goodrick '73). TB, 35". Pale orchid with pink-orange beard tipped lilac. Charming flower; well-branched stalk.\$20.00

COUNTRY BOY (H. Goodrick '73). TB, 30". Golden brown with blue blaze around gold beard.\$15.00

CELESTIAL FIRE (R. Goodrick 571). TB. Beautifully formed white with red beard tipped white. Excellent stalk and bud count. HM '72.\$10.00

MERRY AIRE (R. Goodrick '70). TB, 40". Brilliant white with heavy red beard. HM '71.\$5.00

HOWARD and RUTH GOODRICK

11620 W. Pepper Lane

Brookfield, Wis. 53005

LUIHN'S IRIS GARDEN

WALT and VI LUIHN

523 Cherry Way

Hayward, CA. 94541

1974 INTRODUCTIONS

MODERNAIRE (Luihn '74). Sdlg. 70-4-A. Lilac Mist X Royal Heritage. TB, M, 36". This cross of two of our favorite irises gave us several seedlings which we considered worth holding over for further evaluation, as it gave us the best qualities of both of its award-winning parents. MODERNAIRE, which we are offering this year, is a delightful self of campanula violet (RHS 37), a shade exactly between the colors of its two parents, with a thick self beard highlighted by a warm maroon wash on the shoulders. HC '73.\$25.00

SOLANO (Luihn '74). Sdlg. 71-1. New Moon X ((Gracie Pfost x Orange Parade) x Spanish Gift). TB, VE-E, 36". Here is a vibrant sunny yellow to usher in the long-awaited iris season. It blooms very early and stays in bloom over a long period of time, and is one of the very few yellow irises which does not burn in our climate. It has inherited all of the good qualities of its pod parent—the tall, stiff stems, good branching and substance plus better than average increase. Its domed standards and wide, fluted falls are a luscious shade of lemon yellow with a wide self beard.\$25.00

No catalog. Please order from this ad.

1974 INTRODUCTIONS

Show Quality Irises

SERENE HIGHNESS (Sdlg. 68-33-D). TB, 37", M.L. White self; beard light yellow tipped white. Beautifully formed flowers and well spaced. Good substance. Cup Race X Music Maker. HC '72.\$25.00

PRIZED POSSESSION (Sdlg. 68-33-J). TB, 37", M.L. Light blue self; beard yellow tipped white; broad, ruffled falls. Good substance. Cup Race X Music Maker. Region 19 David Johnson Award '73.\$25.00

POINT BREEZE (Sdlg. 68-33H). TB, 34", M.L. Named for Joseph Bonaparte's home-site in Bordentown, New Jersey. Pale to light blue self; light yellow beard tipped white. Cup Race & Music Maker. EC '72; HC '72.\$25.00

GOLDEN SUMMIT (Sdlg. 67-4). TB, 34", M.L. Displayed in Marriott Lobby at Philadelphia Convention. Yellow self; yellow beard. Good bud count, well-spaced flowers on excellent show stalks. Denver Mint X Rainbow Gold.\$25.00

STREET FAIR (Sdlg. 68-4A). TB, 36", M.L. S. violet on white plicata, violet ribs with wide margin of violet around edges, white radiating into violet area. F. violet on white plicata, narrow margin of violet around edges; light brownish cast to beard. Well-spaced flowers on well-branched stalks; good substance. Dot and Dash X Stepping Out. HC '73.\$25.00

FRANKLIN E. CARR

27 Mary Street

Bordentown, New Jersey 08505

Mark & Jeanette Rogers

SIERRA VISTA IRIS GARDEN

12176 Eighth Street

Yucaipa, CA. 92399

Introductions for 1974

FAUVETTE (Woodside). TB, 34-36". Pop O Sha X Winter Olympics. Heavily bubble ruffled; palest clear blue shading to white, with prominent and attractive texture veining. Each \$25.00

SWEETWATER (Woodside). TB, 36-38". Pop O Sha X Epic. Expansive, beautifully ruffled flowers of light blue, with light texture veining, are born on perfect stems that won it Best Sdlg. of Show Rosettes and ECs at both the Riverside and Arcadia, CA. shows in 1973. Each \$25.00

ZOE (Woodside). Short TB, 28-30". Coming Sun X Signature. Crisp, sparkling, heavily ruffled, pale pink with tangerine beard. Usually gives two waves of bloom. Each \$20.00

GALEN (Fairbanks-Jasper). TB, 37-40". Denver Mint X Juanita Estill sdlg. Pale lavender with thin yellow petal rim and darker yellow-gold hafts. Screaming, phosphorescent orange beards. Each \$25.00

CAIRO SANDS (Slamova by Hawkinson). AB, 30". Jallah ad Din X Blue Gate. A marvelous AB in the brownish color range. Parchment stds. with pale green overlay and gold veining; falls gold with warm brown veining and dotting. Each \$25.00

VALOVA (Slamova by Hawkinson). AB, 30". Arjuna X El Kizar. Stds. bamboo with darker veining; falls gold, speckled brown. Each \$20.00

FISHERMAN'S NET (Tate). AB, 28". ((Beisan Aga x Capitola) x King Henry) X Blue Gate. Named for the lovely veining (netting) and dotting of violet on a lavender-white to parchment ground. Very late, so extends the AB season. EC 1972. Each \$20.00

AMAZON WITCH (Nichols). SDB, 8-14". Shine Boy X Pastel Gem. Very unusual olive-brown self. Each \$ 5.00

OLIVER (Nichols). SDB, 14". Brassie X Brassie. Superior, distinctive, beautiful white (cream in Oklahoma) with sharp brownish halo. Very round petals. Best show sdlg. in 1969 & 1973. EC in 1972 and 1973. Each \$ 7.50

Order directly from this ad or send for free list describing these and other SIERRA VISTA introductions (1965 to date) plus a select list of TB, AB and Median types at remarkable discount prices.

BRIGHT BEAUTY (Tucker, 1974). TB, 36", M. S. deep buff and lavender; F. yellow blending to deep buff; yellow beard. Orchid Brocade x Joy Dancer. \$25.00

FRUIT PUNCH (Tucker, 1974). TB, 34", L. S. lavender blended with yellow; F. lavender; yellow beard. Orchid Brocade X Joy Dancer. \$25.00

SOUTHERN MEADOWS GARDEN

Box 230

Centralia, Ill. 62801

REDENBO'S IRIS GARDEN

Rural Route

Smithboro, Illinois 62284

1974 INTRODUCTIONS

EMERALD ICE (Marilyn J. Redenbo). Sdlg. 7088B. TB, 36", L. Wide, ruffled, greenish white (RHS 155A) self with yellow beard and emerald green buds. 7 buds. Fertile. HC '73. (Samite x Mint Julep) X Mooncrest.Net \$25.00

OPEN LINE (Marilyn J. Redenbo). Sdlg. 6B1A. TB, 30", L. S. blend of oxblood red and Mexican pink; F. blend of red-violet with blaze of bishop's violet; copper brown at haft; gold beard. 9 buds. Fertile. RTGA 1973. Royal Ruby X unknown.

Our 1973 introduction EMPIRE GEM is available this year at \$25.00

MINIATURE TALL BEARDED IRIS

1974 Introduction

LAVENDER DOLL: MTB, 24", M.\$7.50
Vigorous plant has many dainty lavender flowers. Lavender Doll is a sib of Carolyn Rose. (The rosy pink plicata MTB which was the fourth runner-up for the Franklin Cook Cup at the 1973 AIS Convention).

Price list of previous MTB introductions available on request.

MARY LOUISE DUNDERMAN

480 White Pond Drive

Akron, Ohio 44320

1974 INTRODUCTIONS

BALLET IN ORANGE: TB, 32", M-L.\$25.00
Mikado orange self; cadmium orange beard. Flower is flaring and ruffled. (Enterprise x Denver Mint) X Saffron Robe.

SNUG HARBOR: TB, 36", M-L.\$25.00
Deep blue self with blue beard. Large flower with broad standards and falls. Tidesong X Dashing Prince.

Previous Introductions

MAUI MOON: TB, 33", E-M.\$15.00
Light pinard yellow self.

SAMURAI: TB, 35", M.\$15.00
Yellow standards; oxblood-red falls.

MRS. KENNETH D. SMITH

221 Benedict Road, Dongan Hills

Staten Island, New York 10304

NEW FOR 1974 FROM LANDSEND GARDENS

MOMENTS OF DECISION (F. Brown '74). Sdlg. 68-19. TB, 36", M-L. Closed cream standards with delicate orchid infusion. Broad, flaring falls a shade darker than S. with deep violet radiating from hafts to tip of broad F. S. bordered in violet; F. bordered in cream; blue-violet beard tipped cream. Heavy bud count. Rippling Waters X Amethyst Flame.\$25.00

BLUE RIDGE ECHOES (F. Brown '74). Sdlg. 68-151. TB, 35", E-L. An exotic smoky steel violet, very clean color enhanced by a lilac beard tipped brown; hint of brown in throat. Large, ruffled, well-formed flower; flaring falls; good grower. Prince Indigo X Style Master.\$25.00

LANDSEND CLASSIC (F. Brown '74). Sdlg. 69-41. TB, 35", M-LL. A pleasant subtle shade of lilac with classic form. Extremely ruffled and laced; all petal edges serrated; deep amber throat with heavy amber beard tipped lilac. Laurie X Frances Kent.\$25.00

LOVING MEMORIES (F. Brown '74). Sdlg. 68-163. TB, 36" M-L. Closed standards are cream colored; clean white falls are flaring, fluted, with all petal edges serrated; bright lemon-color border; heavy lemon beard. This flower has much distinction, and has been much admired and photographed. I consider this Iris one of my very best, and the name is a memorial to my only child who passed away a year ago. Apropos X Celestial Snow.\$25.00

List of newer Iris on request.

MRS. F. ALLEN (FRANCES) BROWN

4326 Grandin Road Ext., S.W.

Roanoke, VA. 24018

1974 INTRODUCTIONS

PINK SUNDAE—6623-2 (F. Stephenson). BB, 25", M-L. This iris was well received by all who saw it in the 1974 Convention gardens during the 1973 bloom season. It is a very clean, well-branched pink (RHS 36B) self with slightly darker delicate veining on F; orange-pink beard. F. Brown sdgls. 62-216 (Sugar Babe x pink sdg. involving cross of Fleeta and May Hall) X 61-57 (Point Lace X Arctic Flame).\$15.00

SUZANNE BURKS—6618-6 (F. Stephenson). BB, 26", E. Very attractive pink (RHS 36C) self with coral beard. Blooms very early; good substance and branching. Extremely good grower. Point Lace X Java Dove.\$15.00

ERIN CHARM—6619-1 (F. Stephenson). BB, 26", EML. A very prolific iris adaptable to varied growing conditions. Extremely good substance, adequate branching, long lasting and very durable. Makes a beautiful clump in a short time. Pale yellow-green self that tends to bleach to pale cream after the first day; pale lemon beard. Nona X F. Brown sdg. 61-146 (Marionette x Henry Shaw).\$15.00

All Three of the Above for \$30.00

Something Very New

MAGCAR Plant Conditioner: "The Hygroscope that performs miracles." We use this as a transplant treatment for our seedlings. Tests in our garden and other local gardens have produced startling results. Transplant shock is reduced resulting in earlier growth and an extremely high percentage of first-year bloom in iris seedlings. Very effective as a seed treatment and flower preservative. Not a plant nutrient! Trial packet and literature 50 cents postpaid.

Catalog on Request

Fred and Adelaide Stephenson

INGLESIDE GARDENS

5608 Merriman Road, S.W.

Roanoke, VA 24018

"A 1974 AIS Convention Tour Garden"

HAMNER'S IRIS GARDEN

960 No. Perris Blvd.

Perris, CA. 92370

1974 INTRODUCTIONS

- AVALON BAY:** TB, 34-36", M. Beautiful bluebird blue self. Strong upright S; broadly ruffled F. plus excellent branching. Much admired in the 1973 selected seedling bed. Has rebloomed in So. California convention gardens. Named for the clear deep blue Pacific waters of this popular Catalina Island resort. Babbling Brook X Pop O Sha. Limited stock.\$25.00
- GYPSY BELLE:** TB, 36-38", M-L. An exciting bicolor of blended shades of plum, violet and rust tones. Upright domed S. are an attractive shade of rusty plum. Wide, ruffled plum violet F. have a colorful border of rusty plum, repeating same shade as S. Much admired in the home garden. Debby Rairdon X New Moon. HC 1973.\$25.00
- ORANGE EMPIRE:** TB, 36-38", M-L. Brilliant, flaring, ruffled orange self; vivid saturn red beard. Very popular with garden visitors. Parentage from a long line of orange sdls. HC 1973.\$25.00
- TOUCH OF ENVY:** TB, 32-34", M. As the name implies, this novelty orient pink self is highlighted by a greenish wash on the shoulder and petal edges. Unopened buds are an exciting chartreuse green. A novelty iris that reblooms in the home garden. ((Mission Sunset x (Nike x New Frontier)) X Spanish Flair. EC San Diego 1973.\$25.00
- VALLEY CHARM:** TB, 32-34", E-M. Lovely straw yellow self with colorful lavender-blue blaze on wide, ruffled F. This beauty has excellent branching and up to 11 buds. (Commentary x Glittering Amber) X Commentary.\$25.00
- WINTER FANTASY:** TB, 34-36", E-M. A delightfully ruffled and lightly laced ice white self. This beauty is enhanced by a faint wash of pink on the stylearms and center F. A light pink beard completes this vision of winter fantasy. Gypsy Rings X New Moon.\$25.00

Price List Sent On Request

1974 INTRODUCTIONS

- CINCO DE MAYO** (Coleman '74). S. gold; F. reddish brown with wide gold border; gold beard. Form is domed and fluted.\$25.00
- SIX SHOOTER** (Coleman '74). Rich cream self, darker in center. Reverse of F. is green. Domed, fluted form.\$25.00

Previous Introductions

- TRINITY** (Coleman '73). Dark violet on red side. The perfect iris; beautifully branched, heavily budded. Produces more than any iris I know.\$20.00
- QUADROS** (Coleman '73). Gold-domed S. with dark red F. bordered in gold. Gives tremendous garden value.\$20.00
- OPUS ONE** (Coleman '72). Light lavender self. Perfect form and a real performer.\$15.00
- DOS PESOS** (Coleman '72). Black purple self on red side.\$15.00

MOUNT OLIVE IRIS GARDENS

10349 Empire Grade

Santa Cruz, CA. 95060

NISWONGER 1974 INTRODUCTIONS

- BUTTERED CHOCOLATE** (Niswonger, '74). Sdlg. Sp 2-72; Baritone x Dark and Handsome. Spuria, 42", M, DO/DO8DY. Fertile both ways. My first spuria introduction, and one of the most vigorous of any of my seedlings. Deep brown with golden blaze on F. makes it very showy.\$15.00
- DANCE BEAT** (Buckles-Niswonger, '74). Sdlg. B 71-20: Punchline x B69-29 (Milestone x Wild Mustang). TB, 33", M, DY/RV6DO. Pollen fertile, no seeds yet. Gene Buckles would have smiled a broad grin if he had seen this one with its deep yellow S. and red-violet F. rimmed deep brown.\$25.00
- DREAMIN' BLUE** (Niswonger, '74). Sdlg. 11-71: Palmer 45-65A (inv. Queen's Favor, Blue Throat, Blue Shimmer, Blue Ensign, etc.) X Elusive Dream. TB, 34", M. Fertile. Light blue with blue beard. Very hardy and vigorous. EC 1973, HC 1973.\$25.00
- LATE LILAC** (Niswonger, '74). Sdlg. 1-70: Lilac Treat X Lovely Ripples. TB Rebloomer, 32". A concentration of the reblooming trait which should be of assistance to breeders of the remontants. The lilac self is nice to have in bloom during the later part of Sept. and first of Oct. in Missouri.\$20.00
- RIVER CITY** (Niswonger, '74). Sdlg. 9-71: Raspberry Ripples X Hinkle X-4 (sib to Royal Egyptian). TB. 35", M. Rich, deep violet with red beard. Fertile. Hybrid vigor comes from inbred lines of Georgia Hinkle. HC 1973.\$25.00
- SHOUTIN' BLUE** (Niswonger, '74). Sdlg. 25-71: Sapphire Fuzz X Azure Apogee. TB, 34", M. pollen fertile, no seeds yet. Lighter blue than Dreamin' Blue with bright blue beard.\$25.00
- SWIFT RIVER** (Niswonger, '74). Sdlg. 26-70: Hinkle X-4 X (32-63 x Rippling Waters). TB, 32", M, PBV/LBV. Fertile. A bitone of blue and lavender set off with a marigold beard. Vigorous grower; 8 to 9 buds. Reblooms in Missouri.\$25.00
- If you have wondered where you can purchase **SMOKED PEARL** (Gladish, '73), nice large rhizomes can be obtained here at \$20. Another 1973 introduction will be included as an extra!

Dave Niswonger
CAPE IRIS GARDENS

822 Rodney Vista Blvd.

Cape Girardeau, Mo. 63701

RESEARCHING?

Old Bulletins are Very Scarce

The American Iris Society can supply many, but not all numbers prior to No. 163. See their ads. I can fill many of the gaps. Buy from AIS first, then get mine. All offers get replies. The best will be accepted.

EDWIN RUNDLETT

1 Fairview Ave.

Staten Island, N.Y. 10314

OLSON'S 1974 INTRODUCTIONS

ARCTIC ANGEL (Sdlg. 68-1A). TB, 36", Mid-Late. (Arctic Fury X Arctic Torch). This heavy-substanced, extremely ruffled pure White Self displays its eight to ten exquisitely formed blooms in perfect harmony on heavy stalks. Standards stiffly held and overlapping. Wide, very clean semi-flaring falls are highlighted by a light cream, white tipped beard. Destined to become a favorite on the show-bench and a must-have for its breeding potential. A robust grower and good increaser. Has received much good comment wherever seen. HC '69 . . \$25.00.

ARCTIC SUNSET (Sdlg. 69-29B). TB, 37", Mid. (((Rippling Waters x Gypsy Lullaby) X (Benson 64-39; May Hall x Lynn Hall)) X (Salmon Shell x Pink Fulfillment)). Very large Dawn Pink Self (Wilson 523/2). Brick red beard (Wilson o16/1). Wide overlapping standards and clean wide falls are lightly ruffled and semi-flared. Excellent branching on unusually heavy stalk carry eight to ten very large beautifully formed heavy substanced clean, smooth-textured blooms. Very sturdy growing habits with large deep green foliage. Has proven a good parent for vigorous seedlings, a trait needed in pink breeding. HC '72 \$25.00.

BLUSHING DEB (Sdlg. 69-16A). TB, 36", Mid-Late. (((Amorous X ((May Hall x (Salmon Shell x Pink Fulfillment))). Shell Pink Self (Wilson 516/2). Blooms are nicely ruffled. Closed standards are stiffly held. Wide semi-flaring falls are enhanced by a Poppy Red beard (Wilson 16/1). Smooth textured blooms have ample substance to ensure a long-lasting bloom period. Heavy 36" bloomstalks have eleven nicely spaced buds. A truly exquisite show stalk. A favorite of ours since first seen as a seedling. Named after our granddaughter Deborah. HC '70 . . \$25.00.

GOLDEN ELEGANCE (Sdlg. 69-14A). TB, 36", Mid-Late. (Noble Guest X Debbie Rairdon). Stiffly held standards are a clean Buttercup Yellow (Wilson 5/1). Wide falls are a bright White cleanly edged Buttercup Yellow with a matching beard. Smooth-textured blooms are large and ruffled. Excellent branching, nine buds ideally spaced on sturdy stalk. Heavy substance insures long-lasting blooms in adverse weather. Attracted much attention in the Roderick garden during Region 18 Spring Tour. Was persuaded to introduce a year earlier than originally planned, so will be in short supply. A sure sell-out, so order early. HC '73 Net \$25.00.

One each of Arctic Angel, Arctic Sunset and Blushing Deb, \$60.00. All 4, \$85.00.

Choose any previous introduction (except Artist Point) as an extra.

See previous April AIS Bulletin ads for full descriptions.

MARVIN G. OLSON • 1549 Columbine Drive • Webster Groves, Mo. 63119

GEORGE A. SHOOP

2009 N.E. Liberty

Portland, Oregon 97221

BLOND GODDESS (Shoop '74). Sdlg. 70-11. TB, 36", Midseason. The largest tangerine-bearded iris I know of. The broad, flaring cream falls are like a huge hibiscus. Pink-flushed standards and hafts. Standards closed. Deep green foliage. Fast increase; strong stem. (From Whole Cloth, red-bearded blues, One Desire, Spanish Affair, Dream Fashion, Olé) \$25.00

BRIGHT LIFE (Shoop '74). Sdlg. 67-8. TB, 36", Midseason. A bright orange-pink-flushed iris; flaring falls, closed standards. Orange-red beard. Good branching and stalk. A *sunshine* iris. HC 1973. From sdgls. inv. Spanish Gift, Gay Time, and Spanish Affair \$25.00

Both of the above—\$40.00

David O. Rawlins' 1974 Introduction

BY HALL'S FLOWER GARDEN

FINALE (David O. Rawlins '74). TB, 34", VL. Sdlg. 67-11. S. full blue at base and fading to pale blue at edges; F. pale blue. Nicely ruffled. Okaw Blutop X Rippling Watters.\$20.00

1973 Introductions

MOONFLIGHT (L. P. Irvin '73). TB, 36", VVE. Apricot self, lightly laced, ruffled and with tangerine beard. Vigorous grower.\$12.50

MIAMI MIST (David O. Rawlins '73). TB, 34", EM. S. white; F. light blue dusted with silver, horizontal. Vigorous grower and good increaser.\$12.50

SLEIGH TIME (David O. Rawlins '73). TB, 32", EM. White self. Nicely ruffled and well branched. 7 to 9 buds.\$12.50

GAY TUNE (Horace Wright '73). TB, 34". Sdlg. R5-60. Light yellow standards; falls white with light yellow edge; yellow beard. Free bloomer and good grower.\$12.50

See MOONFLIGHT, MIAMI MIST and SLEIGH TIME at 1974 Convention.

All Five of above introductions—\$50.00

HALL'S FLOWER GARDEN

R.R. 2, Box 104

West Alexandria, Ohio 45381

Free Price List

BLODGETT IRIS GARDENS

1008 East Broadway

Waukesha, Wis. 53186

INTRODUCING FOR 1974

DAIRYLAND DEB (R. Blodgett '74). Sdlg. 72-37. (Laced Heiress x 62-92) X sib. TB, 34", EM. Ruffled and laced pale yellow blend. S. cream; F. light cream with deeper cream edge. Good branching and bud count\$25.00

PREVIOUS INTRODUCTIONS

SERENE DAWN (R. Blodgett '73). TB, 37". Ruffled and domed ivory standards flushed pink; ivory falls bordered tan; tangerine beard. Well branched, vigorous grower. HC '73\$15.00

TINT OF SUNSET (R. Blodgett '72). TB, 34". S. orange flushed pink through the center; F. orange; deep tangerine beard. HC '71 \$15.00

WHITE VISION (R. Blodgett '72). Large pure white self; white beard. HC '71\$20.00

APOLLO'S GIFT (TB '67), \$2.50; APRICOT DRIFT (BB '67), \$2.50; GALA ROSE (TB '67), \$5.00; GLACIER CAP (TB '70), \$10.00; INDIAN FRINGE (TB '67), \$5.00; MUGGSY (BB '70), \$3.50; PINK FAVORITE (TB '70), \$10.00; TINY LIGHT (SDB '71), \$5.00; TOPAZ GEM (TB '69), \$3.50.

Order from this ad—no list.

SCHMELZER'S GARDEN

731 Edgewood

Walla Walla, WA. 99362

VIOLETS GALORE (Schmelzer '74). TB, 34", ML. Bunch O' Violets X Royal Touch. True pure violet self; self beard. Extra nice. \$25.00

RED RAGE (Schmelzer '74). BB, 23", M. Royal Tapestry X Espresso. Bright medium red self; bronze beard. Its seedlings are gorgeous red TBs almost 100%. \$20.00

PERSIAN HAREM (Schmelzer '74). BB, 25", M. Joyful Spirit X (Cherished Gift x Lightning Flash sib). A mutation. S. rose and shades of gold; F. medium rose with lines of golden threads on haft; deep red beard. The shadings are like those of Persian rugs. Fast increaser. \$15.00

1974 INTRODUCTIONS

CORAL ARTIST ((Fay 62-10: (Champagne Music x Fay pink sdls.) X Miss Dolly Dollars)). A large, glistening, sparkling and ethereal pale Persian lilac-orchid self, paling to misty orchid with cameo pink beards. The Ruffled and frilled standards are domed; falls are very wide, frilled, ruffled, flared and heavily trussed. Sturdy stems and excellent branching. Midseason; 36". HC '71. \$25.00

LOVE THEME (Orchid Brocade X Irish Lullaby). A large, striking, ruffled and vivid coral pink self with matching beards. Ruffled standards are held tight; falls are wide, semi-flared and attractively ruffled. Stalks are stout and well branched. Midseason; 36". .. \$25.00

1973 INTRODUCTIONS

ANGEL'S SERENADE ((Fay 62-14 (inv. Arctic Flame and Fay sdls.) X Moldovan 63-3 (Irish Lullaby x Jean Ann)). An enormous smooth cameo pink self from pallida breeding. \$22.50

CHERISHED HOUR (Orchid Brocade x Flaming Heart) x Deep Caress. Huge, glistening coral-peach self. \$22.50

NIGHT HAWK (Luihn 61-1: (Dark Fury x Allegiance) x Stepping Out. Large, vibrant self of deep violet-purple. \$22.50

VENETIAN VANILLA (Inv. Miss St. Louis, Hall cream sdls., Henry Shaw and Flaming Heart) X Deep Caress. A huge, ice-lemon and citron self; frilled and ruffled. \$22.50

ONE RHIZOME EACH above four '73 introductions . . . \$60.00

CLIFF W. BENSON

Route #3, Baxter Road, Chesterfield, Missouri 63017

STREPTOMYCIN SULPHATE

SOFT ROT — NO PROBLEM

One treatment dries up Soft Rot over night.

Streptomycin Sulphate is an antibiotic formulation intended for agricultural use in control of plant diseases. One-half teaspoonful in one gallon of water makes a powerful solution that destroys bacterial soft rot.

Just spray lightly to moisten the iris rhizomes. Not necessary to drench and waste solution. We used less than one gallon of solution one year. Never once did we have to treat a second time.

Be prepared. Order today. No time to spare when Soft Rot develops.

STREPTOMYCIN SULPHATE, 8 oz.\$4.20 Post Paid.

TERRACLOR 75%

For CROWN ROT (Mustard Seed Fungus) on iris, delphinium, hosta and nearly a hundred other plants.

Just mix one tablespoonful of Terraclor 75% in one gallon of water and saturate the iris plants and soil with the solution. If only a few plants to treat, dust the plants, rhizomes and soil with Terraclor 75% and it works like magic.

TERRACLOR 75%—3 lbs.\$6.00 Post Paid.

Price List Sent on Request

All prices effective March, 1974 and subject to change without notice.

GABLE IRIS GARDENS

2543 38th Ave. So.

Minneapolis, Minn. 55406

WETHERSFIELD IRIS GARDEN

1974 Introductions

YANKEE MAID (Gadd '74). Sdlg. 26-68, TB, 34". Yankee Boy X Jean Boyd Fittz x (Indian Night x Black Diamond). This purple seedling of Yankee Boy had four branches plus terminal. RTG '72.
.....\$25.00

INDIAN MOON (Gadd '74). Sdlg. 23-69A, TB, 34". Yelloba X (Golden Masterpiece x Riviera) x (Techny Chimes x Frances Kent). From a long line of breeding comes the golden yellow self with wide, ruffled falls.\$25.00

FRED AND MARY GADD

172 Main Street

Wethersfield, Conn. 06109

COUNTRY MANOR

winner of

President's Cup • Philadelphia • 1973



A large ruffled creamy white. Light yellow hafts and yellow beard create a glowing center. Nicely held standards and rounded falls. An exceptionally strong, well-branched stalk, having three branches and terminal—at times an additional spur. It consistently blooms with three open flowers at one time. Fertile both ways. Indeed a show Bud count 9-10. A good in-

creaser and stalk. M-L. 38-40". HC 1972. (Eleanor Kegerise '73) ...\$22.50

MRS. RICHARD P. KEGERISE

4306 Seventh Ave.

Temple, Pa. 19560

INTRODUCTIONS FOR 1974

POWDER PEACH. 68-47 (Rippling Waters X Fairy Fable). An iris of lovely color, form and texture. Satin smooth blooms are a lovely shade of peach-pink; deeper peach-pink beard. Standards are arched and very ruffled. Semi-flaring falls are wide, rounded, and very ruffled. Well branched, S-curved stalks provide for fine bloom placement. Fertile both ways. M-L, 34". HC 1973. ...\$25.00



FEMININE CHARM

FEMININE CHARM. 68-2-B. (Christie Anne X Rippling Waters). 1973 Convention viewers described this iris as "distinctive." Blooms have light pink standards edged golden peach; falls are light peach with golden peach edges and hafts. All flower parts are ruffled and laced. Lovely semi-flaring flower form. Good substance. Bud count nine. Well-branched, sturdy stalks. Fertile both ways. M-L, 32". 17 votes for HC 1973.\$25.00

FROST LINE. 68-33 (Lovilia X Brave Viking). This is a beautifully ruffled and fluted cool white iris. A green influence in the midribs of the standards and around the white beards on the falls gives a crisp and sparkling appearance to the flowers. Arched standards; flaring falls. 7 blooms on well-branched sturdy stalks. Fast increaser. Fertile both ways. M-L, 36". HC 1973.\$25.00

MRS. EVELYN KEGERISE

501 Penna. Ave.

Hyde Park, Reading, Pa. 19605

1974 INTRODUCTIONS FROM THE WICHITA POLLEN DAUBERS CLUB

Order direct from the hybridizer

TB

RED HOT PEPPER: 32", D1-69-T. Ruffled red on white plic. It's a beauty.\$25.00

GLOWING PRAIRIE: 36", D-51-72-T. Red-violet blend, ruffled, branch. HC '71.\$25.00

BB

PRAIRIE LARK: 22", D-143-71-B. Yellow to orange brown blend.\$15.00
I am introducing two of John Ohl's BB he named but did not get introduced.

GLOW ON: 20", 74-67A. Indian yellow, F. yellow ochre; yellow beard. ...\$15.00

OSAGE NIGHT: 20", 27-69. White bordered with deep violet. HC '71. ...\$15.00

SDB

SHIRLEY MACK: 12", D9-69-D. A dark red-violet.\$10.00

BROWN HAT: 12", D-61-71-D. Blue-green to brown blend, green veins. ...\$10.00

STAR BOY: 10", D-110-60-D. S. cream; F. red-violet, cream border, yellow beard.\$10.00

SPLASH O'GREEN: 13", D-46-69-D. A good yellow-green self.\$10.00

LITTLE REDBREAST: 10", D-44-71-D. S. yellow; F. reddish brown, yellow rim.\$10.00

BROWN SPOT: 10", D-31-71D. Buff with brown thumbprint; blue beard. \$10.00

FLOYD and LEOTA DYER IRIS GARDEN
9503 S. Hydraulic, Wichita, Kansas 67216

ORANGE ACCENTS: TB, 32", M-L. Sdlg. 68-2J. Tangerine orange (RHS 25C) self; orange beard. Nice stalk and branching. HC '71.\$25.00

C. T. FREIDLINE
930 W. 30th South, Wichita, Kansas 67217

LOVE IN BLOOM: TB, 34-36". Large pure white self; ruffled. Long bloom. (Snow Goddess X Swan Ballet).\$25.00

SWAN GODDESS: TB, 35-37". Sdlg. 61-64A. Large white self; yellow beard. Long bloom. (Snow Goddess X Swan Ballet). HC '68.\$25.00

FANCY ME: TB, 28-30". Sdlg. 63-29A. White self with hint of blue; pale blue beard. Has lots of substance and can really take the weather. Long bloom. (Truly Violet X Lynette). HC '68.\$25.00

VERNA MAE EWING
737 S. Persing, Wichita, Kansas 67218

FOR THE IRIS LIBRARY

THE HANDBOOK FOR THE AMERICAN IRIS SOCIETY— MEMBERS AND OFFICERS

By Betty and Ira Wood

The most complete summary we have of the American Iris Society, of its functions, its organizational setup. Chapters on AIS, its Regions, its RVPs, area organization, exhibitions, tours and conventions, registrations and introductions, test gardens, judges and their training, youth program, publications, robins, awards and honors, slide programs, and bylaws.

THE AMERICAN IRIS SOCIETY

2315 Tower Grove Avenue

St. Louis, MO. 63110



Aril Iris Farm

Route 1, Box 3770
Ridgecrest, California
93555

NEW ONCOCYCLUS HYBRIDS

VULCAN'S FORGE (Holden '74). 12", EM. Very dark red-black self; black signal; beard dark brown with underlying yellow. (*I. haynei* x *I. barnumae*) X *I. atrofusca*.

SINAYA (Holden '74). 12", EM. S. dark red-brown; F. black with jet black signal; brown beard over yellow. Good form. (*I. haynei* x *I. barnumae*) X *I. atrofusca*.

TWICE NICE (Holden '74). 10", M. Silvery white self; finely dotted and veined brown; F. more heavily marked; brown beard; dark brown signal. Good form. (*I. susiana* x unknown onco).

\$20.00 EACH. TWO FOR \$35.00 ALL THREE \$40.00

Previous Introductions—Oncocyclus Hybrids

BROWN PRINCE (Holden '73). 18", EM. Light brown self; mulberry red veining; dark beard and signal. (*I. mariae* x *I. atropurpurea*).

ROYAL AFFAIR (Holden '73). 14", EM. Heavily veined dark purple over silver-grey ground. Large dark purple signal. Parentage lost.

IBERIAN GEM (Holden '70). 10", M. Large amoena. F. mottled and veined cinnamon brown; dark brown signal. (*I. lortetii* x *I. iberica*).

INDIGENT ARAB (Holden '73). 18", L. Silver-grey ground moderately veined light brown on S; much heavier on F; dark signal. *I. lycotis* X (*I. gatesii* x *I. calcaria*).

\$10.00 EACH TWO FOR \$15.00 THREE OR MORE \$5.00 EACH

Oncocyclus Species

I. ATROPURPUREA \$3.00 each. Three for \$7.50. I. MARIAE (\$3.50 each. Three for \$9.50. I. ATROFUSCA, I. NIGRICANS, I. JORDANA, I. BARNUMAE (Tel Chihane), I. GATESII—\$4.50 each. I. HAYNEI \$5.25 each. I. NAZARENA, I. LORTETII, I. SAMARIAE, I. IBERICA—\$6.00 each. I. HERMONA, I. CALCARIA, I. AURANTICA (Tel Jaffna)—\$7.50 each.

LET'S SEE IRISES IN

CALIFORNIA IN 1975

GIBSON'S IRIS GARDENS

146 So. Villa St., Porterville, California 93257

See our full page ad of 1974 introductions on page 65 of the January BULLETIN. We have some unusual and attractive 1974 introductions.

STARBRIGHT IRIS CRYSTAL

P.O. Box 456 Alderson, West Virginia 24910

Our exclusive iris designs delicately hand-blown and hand-cut. Our exclusive silk screen designs in yellow or orchid. Send stamp for new brochure and '74 price list. Look for special display at AIS Convention in Roanoke, Va., in May.

FOR '74—FROM Z. G. BENSON

4503 University Drive
Wichita Falls, Texas 76308

WEE BEE: SDB, 10", ML. A real charmer, kissed by bees and butterflies alike. This little beauty is daintily fluted with closed standards and flaring falls. S. yellow (11A) with orange base; F. yellow (11B) with hafts and mini border of yellow-orange (17A). The beard is violet-blue (91A) at base, hairs tipped orange. Three buds that open into small flowers which are in perfect proportion to the foliage. An excellent bloomer—a gay springtime greeting! (Zing sdg. x sib). #L5-3-6, \$5.00

Also available from Mission Bell Gardens,
2778 W. 5600 So., Roy, Ut. 84067.

NO INTRODUCTIONS THIS YEAR

My 1972 introduction WINNING SPIRIT (15 HC votes) is available at \$25.00. At \$25 it sold out last year. Limited stock. List of newer TB iris on request. Reasonable prices.

CHESTER BLAYLOCK
108 S. West End Blvd.
Cape Girardeau, Mo. 63701

V. COOK and J. FLINTOFF

6929 Pacific Highway E.

Tacoma, Wash. 98424

LITTLE DAN (V. Cook '73). Bright blue, 9" dwarf Siberian; fertile. \$15.00

LOIS (V. Cook '73). Violet-blue. Broad-petaled Siberian of fine form. \$20.00

Nearly 200 Siberian clones available as well as many Apogon species. Prices quoted on request.

BOXWINK IRIS GARDEN

W. W. STEINHAUER

106 HOOD AVENUE
AUDUBON, N.J. 08106

1974 Introduction

NIGHT DEPOSIT (W. W. Steinhauer) Sdlg. #111, TB 34". M-ML. Dark red-purple self, 8 buds, well branched. HC 1971 and 1972. Placed well on the list of "Favorite Guest Iris" at the Philadelphia Convention. Look for Night Deposit at Roanoke in 1974 (Licorice Stick X Unknown) \$25.00

Due to insufficient stock, both ARSONIST and DUTCH TREAT will not be introduced until 1975. They will be on display at Roanoke and at San Diego, Calif. ARSONIST (Wine & Roses X Silver Peaks) is the red amoena that promises to be an exciting addition to the amoena class. DUTCH TREAT (Cup Race X Nylon Lace) like its illustrious parent "Cup Race," will delight those looking for excellence of form, bud count and branching; the creamy-yellow color tone is likened to a cool and refreshing dish of lemon-ice.

HERBACEOUS AND TREE PEONY HYBRIDS

Newest colors including salmon pinks, bright scarlets, yellows, blacks and others.

All propagated in Michigan's Upper Peninsula.

Catalog free to AIS members

David L. Reath

REATH'S NURSERY

Vulcan, Michigan 49892

67 A.I.S. BULLETINS FOR SALE, 1954 to 1972 10 missing
\$55.00, the lot plus postage OR \$1.00 each plus postage

CALIFORNIA STATE IRIS SOCIETY

676 Downing Ave. San Jose, CA. 95128

R O A N O K E

1 9 7 4

HYPONEX[®] PLANT FOOD
Grows better plants, indoors or outdoors.
Clean & soluble, 10 oz.—\$1.29. Makes 60 gals.
Free catalog, HYPONEX, COPLEY, OH. 44321

INTRODUCING FOR 1974

CENTER RING (Spence '74). Midseason, 37"-39", TB. Sdlg. 66-60-9A. (Amethyst Flame x Decker 2-784) x Orchid Brocade. Mauve self with a flash of blue in center of falls and mauve-brown border. This iris is highlighted with a rich bronze beard. The flower is large and flaring. Good branching and bud count.Net \$25.00

MELODY D'AMOUR (Spence '74). Early, 34", TB. Sdlg. 67-3-OA. (Miss Indiana x Rippling Waters) X Flamingo Dawn. Bi-color; pink standards; violet falls with a pink infusion on the edge; orange-rust beard. This is a nice bicolor with excellent branching and bud count.Net \$25.00

TAHITIAN GLOW (Decker '74). Midseason, 34"-36". TB. Sdlg. 4-19A. Marilyn C. X Mission Sunset. Bicolor. Harmonious contrast of brilliant mustard yellow falls and clean salmon pink standards fired from within with a thick orange-red beard. Falls are broad and flaring; standards gracefully domed and ruffled. Heavily substantiated flower with an exceptionally attractive chartreuse midrib on underside of falls. Flower grows more attractive with age as colors deepen, and green becomes more vivid. Will make a superb show stalk with three widely spaced flowers open while terminal is in good condition.Net \$25.00

Previous Introductions

VALENTINA '73	\$22.50	COUNTRY GIRL '69	\$12.50
MUSETTA'S WALTZ '73	\$22.50	MAIN POINT '70	\$ 2.50
ELEGIE '73	\$22.50	SPANISH EYES '69	\$ 2.50
GATEWAY '72	\$20.00	GLASS MENAGERIE '68	\$ 2.50
OPERA NEWS '71	\$17.50	PACIFIC ISLE '69	\$ 2.00
STRANGE INTERLUDE '71	\$17.50	BRIEF ENCOUNTER '69	\$ 2.50
THEATRE ARTS '70	\$15.00	DRESS SUIT '68	\$ 1.50

NO CATALOG . . . ORDER FROM THIS AD

HERBERT J. SPENCE

3461 Adams Ave.

Ogden, Utah 84403

DeFOREST'S "IRISNOLL"

1820 N. Birch Court

Canby, Oregon 97013

1974 INTRODUCTIONS

Please make checks payable to Irisnoll

FANTAST—TB. Yellow standards, styles, beard. Horizontal, white falls edged violet-blue. Cadette X sdlg. inv. Lilac Champagne, Pink Fulfillment, Emma Cook. HC 1972.Net \$25.00

SPICY—TB. Bright tan standards. Horizontal, violet falls with heavy brown beard. Deeper violet around the beard. Lightning Ridge X sdlg. inv. Rippling Waters, Melodrama, Mazatlan. HC 1973.Net \$25.00

NO SECRET—TB. No. W6-2C. Large white; tangerine beard. Sacred Mountain X Rippling Waters. HC 1972.Net \$20.00

FINE FETTL—TB. Large paper white, having distinct lilac-blue border on falls. ((Christmas Angel x Whole Cloth) x Arctic Flame) X sdlg. inv. Rehobeth, Cloud Cap, Emma Cook, Cadette.Net \$25.00

MASTER MARINER—TB. Smooth self of pleroma violet. (Galllee x Rehobeth) X Bluebell Lane.Net \$20.00

DAWN FIRES—TB. Bright golden tan and pink blend; red beard. (Dawn Crest x Golden Chance) X sdlg. inv. Dawn Star, Christmas Angel, Mazatlan.Net \$20.00

Other *Irisnoll* varieties: **BAYBERRY CANDLE**, AM 1972\$ 6.00
ADMIRAL SIDEBURNS, HM 1972\$ 5.00

ADD 10% FOR HANDLING AND MAILING CHARGES

GENETICS IS EASY—Goldstein\$8.00

Completely revised and enlarged, this 4th edition is written so that the average layman can understand it with a minimum of mental effort. Especially recommended for the beginning hybridizer.

ROYAL HORTICULTURAL SOCIETY COLOUR CHART. Four fans \$20.00

This revised chart consists of a set of four fans in stout cardboard box. In each fan the leaves of colors are held by a locking screw, easily fanned out for selection of a particular leaf. With four tints of each of the 202 colors, there is a very wide range available, giving users a working tool for color reference of great value.

HANDBOOK FOR JUDGES AND SHOW OFFICIALS. Non-members, \$2.00,
Members\$1.50

A must for judges and show officials.

HANDBOOK FOR AMERICAN IRIS SOCIETY MEMBERS AND OFFICERS\$2.00

The best compendium we have of the American Iris Society. By Ira and Betty Wood.

COLOR CLASSIFICATION. \$0.60 ea.; lots of 10 or more, \$0.50 ea.

WHAT EVERY IRIS GROWER SHOULD KNOW\$1.00

Lots of 10 or more to same address, \$0.80 per copy.

1971 MEMBERSHIP LIST\$1.50

IRIS CHECK LIST—1969.\$6.50

Compilation of registrations and introductions 1960-69.

IRIS CHECK LIST—1959. Until inventory reduced\$2.00

Compilation of registrations 1950-59, and awards 1920-59.

REGISTRATIONS AND INTRODUCTIONS, For 1972 each \$1.00

For 1970 and 1971, reprints, each\$2.00

For 1973, each\$1.50

BULLETINS. Back issues of BULLETINS, if available\$1.25

BULLETIN 1 (Reprint)\$1.00

Fiftieth Anniversary BULLETIN\$2.00

AIS IRIS SEAL STAMPS—100 stamps to a packet\$1.00

Slightly larger than a half dollar, these official seals are quite beautiful—on a silver ground, the iris and bud are blue; foliage blue-green; ideal for stationery and place cards, etc.

AIS STATIONERY. New style; with member's name and address, or that of local society; letterheads 7½ x 10½ inches; envelopes 7½ x 4 inches; good quality bond paper.

In lots of 250 letterheads and 250 envelopes\$11.00

In lots of 500 lettersheads and 500 envelopes, postpaid\$19.50

Type or "print" name and address to be imprinted. Send check with order. Samples of letterhead and envelope may be requested.

ANNIVERSARY MEDALS. Sold out of silver medals, but we have a stock of very beautiful bronze medals. Ideals for special show prizes and for honoring people who have done outstanding work in local and area and regional iris activities. . . . Bronze antiqued medals Each \$1.25

Plastic boxes as containers for medals, with green foam rubber pad.

..... Each \$0.20

ADD 10% FOR MAILING AND HANDLING

THE AMERICAN IRIS SOCIETY
2315 Tower Grove Ave.
St. Louis, Mo. 63110

In Memoriam

ELSIE HEIMER

1880-1974

ALMA ABELL

ELSIE HEIMER died quietly on January first, her ninety-fourth birthday. But she is not really gone, as long as those who knew her are still here. We feel as Clarke Cosgrove said: "A person that great should stay here forever."

I doubt that there was a time in her life when she didn't know exactly what she was talking about. It maddened her to forget names, sometimes, but who is there who doesn't do that? We learned not to dispute anything she said. Nine times out of ten she would be absolutely right. It was more than a keen mind that set her apart—it was her interest and zest for living—A thing she never lost.

Her lovely garden in Van Nuys, California, had the best and latest iris. She kept track of all the new introductions, found out everything about them, and came to definite conclusions as to which she must have. It was always "there is one I must have for next year," never, like other old people we've known who said "better have it now, I may not be here next year."

At noon each day, Elsie cooked a good dinner for her sister Ethel and herself. On the day the gardener came, she took special pains to have it good for him. She worked in her garden almost everyday. She planted all her iris—no one else was ever allowed to do it. The garden and front lawn she kept immaculate. Nothing plagued her more than the leaves that would fall after she had carefully cleared them away.

Elsie had worked a little in her garden 'til the morning of her birthday. That morning many friends and neighbors dropped in to congratulate her and bring gifts. When they had gone, she prepared her dinner. It was a holiday dinner, from shrimp cocktail to peach dessert. It was New Years and her birthday. Dinner over, she said "I'll wash the dishes—you can dry them, Ethel." Dishes done, she went to the couch in the living room where she took her afternoon rest. Sitting down and slipping off her shoes, she said "my that was good wasn't it?" With that she made herself comfortable and went to sleep. She did not wake up.

Elsie had gone as she'd wished to go. Her powerful spirit had run her life and even her death. Her body might weaken but her spirit never did. Who could grieve so much for anyone that could end life so beautifully?

FLOYD GARNER

Floyd Garner, a very active member of the Marshall Iris Society, passed away on Sept. 22, 1973 after a very short illness. He served as president of his local society and was very active in Region 24. He always got a big thrill when anyone would stop by to see the Garners' garden. He was especially proud of the crates he designed and built to carry iris to shows. I don't think anyone enjoyed attending AIS conventions as much as Floyd, the last one being in Portland. We all join in sending our sympathy to Eva, his wife. The Marshall Iris Society, Region 24, and AIS are a little better because of having had Floyd Garner as a member.

ALBIN KINKEAD

Mrs. E. S. (Albin) Kinkead, age 75, passed away October 2, 1973. She was a member of the AIS and a charter member and first recording secretary of the Blue Grass Iris Society, Lexington, Ky.

An enthusiastic gardener, Mrs. Kinkead was an inspiration to all who knew her. Her tiny yard which she described "as no bigger than a postage stamp" was groomed to perfection and filled with flowers and shrubs.

Al's personality was as refreshing as her garden. Her ready smile and willing way made friends for her in all walks of life. Death has brought to a close one of the most interesting of lives. But, for those of us who knew her, her life will remain as an example of courage, hope and faith.

MRS. ANNE ALLEN

ANN DASCH

Region 4 irisarians were saddened this winter by the passing of Mrs. Glenn (Anne) Allen. Anne has been one of the most active members of the Francis Scott Key Chapter in Maryland. Her dedication and generosity accounted for much of the success of the club's annual rhizome auction. She participated in many forms of local iris activities, held various offices and committee posts and collected numerous awards at exhibitions.

Her "Rocky Road Iris Farm" grew an impressive collection of many forms of irises, with a special interest in modern rebloomers. Anne was warmly generous to AIS Youth Members, offering them rhizomes, hospitality and encouragement.

Knowing Anne Allen was a pleasure. She was one of the rare, modest and gentle people who derive joy from giving without concern for receiving. Her warmth and beauty will live on in our treasured memories.

DR. RICHARD S. ROSENFELS

Dr. Rosenfels died on December 20, 1973, following surgery. Dick was a Region 13 irisarian for over a quarter-century. He held various offices in the Richland Iris Society, was a Senior AIS judge, participated in robins, and stimulated the interests of community newcomers.

His personal interests centered on the miniature and standard dwarfs. For each of the last ten years he introduced one, two, or three worthy members of these classes. These range from the highly regarded SUNLIT CHARM ('63) to recent introductions such as EASY ACE (SDB '73) and MILLPOND (MDB '73), made available to a wider audience through the Northwest Hybridizer's group.

Dick retired 5 years ago, and used the last years, to the extent that health permitted, to further the work of minority groups in his community, and to continue his iris work. His quiet effectiveness will be missed in both these fields.

VIDA TRUE

Mrs. Vida True, a senior judge of the American Iris Society, passed away on November 18, 1973, at the age of 71. Since 1933 Vida and her husband James have lived in Lawton, Oklahoma, where Vida was president of the Lawton Garden Council and a member of the Oklahoma Council of nationally accredited flower show judges. She was a member of the Sooner State Iris Society and was past president of the Southwest Iris Society. In the 1950s she hosted a garden club show on television.

MINUTES OF THE BOARD OF DIRECTORS MEETING

Holiday Inn Plaza, Wichita, Kansas

November 2, 3, 4, 1973

The meeting was called to order at 9:12 P.M. Friday, November 2, 1973, by President Wall with the following in attendance: Vice Presidents Cosgrove and Wood; Secretary Benson; Treasurer Ackerman; Immediate Past President Bledsoe; Directors Hamblen, Hanson, Jones, McCaughey, Peck, Scharff, Walker and Wolford; Directors-elect Crumpler and Ramsey; and Past President Fischer. Mrs. M. E. Christlieb, Chairman, Robins; Adolph J. Vogt, RVP, Region 7; George Galer, RVP, Region 13; Mrs. C. C. Rockwell, Assistant RVP, Region 17; J. Donald Puett, RVP, Region 18; Mrs. Paul Newman, RVP-elect, Region 18; Hoyt T. Smith, RVP, Region 22; Ronald Mullin, RVP-elect, Region 22; and Mrs. F. C. O'Kelly, RVP, Region 23, attended the sessions.

There being no objection, the minutes of the Philadelphia Board meeting, May 28 and 29, 1973, stood approved as published in the October 1973 BULLETIN.

Secretary Benson reported on the present membership by Regions and States. As of November 1, the Society's total membership was 5,329, down slightly from 5,410 a year before. Region 18 has the largest membership, followed by Regions 6, 15, 14, 17, 4, 22, 7, 2 and 13. Mr. Benson further reported: That new member dropouts persist as a problem and numbered 158 for the past year; that the annual loss of membership rate is 20%; and that New Mexico (Region 23) was the only State and/or Region with a 100% renewal.

Treasurer Ackerman submitted his annual financial report for the fiscal year ending September 30, 1973, as audited by Seidman and Seidman, Certified Public Accountants, Lansing, Michigan. Mr. Walker moved and Mrs. McCaughey seconded to accept the treasurer's report and authorize publication in the BULLETIN. Motion carried.

Mrs. McCaughey, with the concurrence of the Board, thanked Mr. Ackerman for his 29 years of service to the AIS, as RVP for Region 6, Director for 12 years, and 14 years as Treasurer of AIS.

Mrs. Ramsey read Dr. Nelson's report on the BULLETIN and Registrations. Concerning the BULLETIN, it was reported that net cost for the BULLETIN is less than fifty percent of regular membership revenue compared with 66% to 75% for other flower society magazines; that advertising rates have been raised and advertisers notified as of October 10, 1973; and that BULLETIN deadlines have been moved up to help alleviate the printing delay problem. Concerning Registration, Dr. Nelson recommended that the price of the annual Registrations and Introductions be raised; and that there be reprinted 300 copies each of the 1970 and 1971 annual Registrations and Introductions.

Mrs. Hamblen moved, and Dr. Cosgrove seconded a motion to print 750 copies of the 1973 Registrations and Introductions, to increase the price per copy; and to reprint 300 copies each of the 1970 and 1971 Registrations and Introductions to sell at \$2.00 per copy. An amendment was approved to change the price of the 1973 Registrations and Introductions to \$1.50. Motion passed as amended.

Historian McCaughey reported the following additions to the historical archives: the Wister scrapbook encompassing the accomplishments of the first president of AIS and the founding of AIS; two autographed volumes of the poetry of Past President Wills; and the complete files of Past President Randolph, including the original plates of GARDEN IRISES.

President Wall read a letter from Dr. Randolph concerning his past association with AIS and the transfer of his papers to AIS.

President Wall read a letter from Mrs. Robert C. Howard, President, Tulsa Area Iris Society, Tulsa, Oklahoma, inviting the Board to meet in Tulsa in the fall of 1974. Mrs. McCaughey moved, and Mr. Jones seconded, a motion to accept with thanks the invitation of the Tulsa Area Iris Society for November 1, 2, 3, 1974. Motion carried.

Mr. Peck, Chairman, Special Committee on Iris Tours, outlined the progress on the proposed AIS-sponsored tour to Australia and New Zealand. The tour, scheduled for October and November 1974 is under the direction of Mrs. Lloyd Zurbrigg and the World Travel Service of Roanoke, Virginia, and details will appear in the January 1974 BULLETIN. Mr. Peck reported that his committee has formulated the following policy for the Australian-New Zealand tour: That AIS will permit its name to be used as sponsor of the tour; that AIS will in no way be responsible for any of the arrangements nor assume any liability by reason of its sponsorship; and that the tour

within Australia will be planned in cooperation with and be approved by Les Donnell, Chairman of the Australian Society Convention.

Mr. Peck further presented, without recommendations, varying viewpoints regarding financial reward and profit to AIS from future tours; and he reported that no planning has been initiated on the 1976 Swiss tour pending further study. There being no objection, the actions of the Iris Tour Committee stood approved. President Wall appointed Past President Fischer to represent him on the Australian-New Zealand tour.

Mrs. Ramsey, Chairman, Special Committee on Classification, requested a name change for the committee because of questions having arisen concerning the committee's purpose, such being to deal only with the definitive standards of iris classes. Mr. Hanson moved, and Dr. Cosgrove seconded, that the name "Classification Committee" be changed to "Standards-for-Classes Committee." Motion carried.

The meeting recessed at 11:03 P.M. Friday, November 2, and reconvened at 9:10 A.M. Saturday, November 3, 1973.

Mr. Bledsoe reported completion of the final report on the Mississippi State University Research project and distributed copies of the report to the Board.

Mr. Bledsoe encouraged promotion of the bronze commemorative medals, and urged the directors, RVPs and other officials and members to keep a supply on hand for convenient use.

Mr. Wood, Chairman, Special Committee on Physical Awards, reviewed the proposals made at the Philadelphia Board meeting concerning the traveling cups, as stated in the minutes of that meeting, October 1973 BULLETIN, page 71. Mr. Wood felt there had been insufficient feedback from the membership, and that more time should be given to consider the proposals. Mrs. Hamblen moved, and Dr. Cosgrove seconded, that the matter be referred back to the Physical Awards Committee for further consideration at the spring meeting in Roanoke. Motion passed.

Dr. Cosgrove reported the selection of the following members for the Personnel Committee for 1974: Donald R. Saxton and Mrs. Vernon H. Keesee representing the RVPs, Anthony Willott representing the Sections. President Wall named Mr. Bledsoe and Mr. Walker to the Personnel Committee, and, there being no objection, this five-member committee was approved.

Mrs. Ramsey, Chairman, Convention Standard Operating Procedure Special Committee, reported slow progress on the convention guidelines, but that preliminary drafts are being supplied to the chairmen of currently scheduled conventions.

Mr. Walker, reporting for the Administrative Committee, commended the carrying out of the series of recommendations approved at Omaha, November, 1972. The committee had no further recommendations at this time but suggested that future consideration be given to priorities in the use of our funds.

Mr. Hanson, Chairman, Sections and Affiliates, reported that applications for Section status had been received from the American Aril Society and the Society for Pacific Coast Native Irises. Mr. Hanson moved, and Dr. Cosgrove seconded, that the American Aril Society be made a Section of AIS, subject to approval of the AAS bylaws. Motion carried.

Mr. Hanson moved, and Mr. Walker seconded, that the Society for Pacific Coast Native Irises be made a Section of AIS, subject to an amendment of their bylaws on membership and conformity to AIS bylaws with the following suggested wording: 1) Except for corresponding and honorary members all members of SPCNI shall be members in good standing of the American Iris Society and no membership shall be accepted which exceeds in length the current AIS membership of the member; and 2) Any amendment to these bylaws shall be in conformity with rules of the American Iris Society with regard to the Sections. Motion carried.

Mr. Hanson presented the bylaws of the Society for Siberian Irises, amended as above, and recommended approval. Mr. Wood so moved, Mr. Jones seconded, and the motion to approve was carried.

Further, Mr. Hanson presented for discussion the problems involved with certifying local societies as AIS affiliates, and especially the checking of membership lists for AIS members. During the discussion, it was decided that it should not be the responsibility of AIS to establish credentials, but rather of the local society seeking affiliation. It was suggested that the Regional Vice Presidents could provide assistance to the AIS Affiliate and Section Chairman in checking information provided by the local societies. Mrs. Hamblen moved, and Dr. Cosgrove seconded, that, as a matter

of policy, the burden of proof for qualification as an AIS affiliate be placed on the local society seeking such affiliation. Motion passed.

Mrs. Ramsey read the report of Dr. Nelson, Chairman, Awards Committee, which recommended that no changes be made in the Awards System until a very thorough study is made. The Board directed the President to appoint a committee to complete a study of the Awards System and bring recommendations before the Board. (Subsequently, the President appointed an Awards System Review Committee as follows: Mr. Peck, Chairman, Dr. Cosgrove and Mr. Jones.)

Mr. Scharff, Chairman, Convention Liaison, reported on plans for the 1974 Roanoke convention and distributed the tentative schedule. He also presented offers to act as host of national conventions from the Michigan Area of Region 6 and from the Memphis Area Iris Society.

Mr. Scharff moved, and Mr. Bledsoe seconded, a motion to accept the invitation of the Michigan Area of Region 6 to hold the 1976 national convention in Lansing, Michigan. Motion passed.

Mr. Wolford moved, and Mr. Jones seconded, a motion to accept the invitation of the Memphis Area Iris Society to hold the 1977 national convention in Memphis, Tennessee. Motion passed.

Dr. Cosgrove, Chairman, Exhibitions Committee, reported that because of the length of the Exhibitions Committee report as published annually in the October BULLETIN, deadlines must be absolute; and he presented two resolutions to contend with new problems, and moved their adoption as follows:

1) Whereas in all official statements of the American Iris Society, including its bylaws, the words "iris" and "irises" are interpreted to include only those plants currently recognized as belonging to the Genus *Iris*, excluding all other plants of the Family Iridaceae unless otherwise specified, therefore for all accredited iris shows, awards authorized by the American Iris Society may be awarded only to plants of the Genus *Iris*.

2) The Exhibitions Committee is authorized to make a charge of one dollar for the replacement of a show certificate previously awarded for an accredited iris show. Mrs. Hamblen seconded the motion. Motion carried.

Mr. Bledsoe, Chairman, Honorary Medals, requested that consideration of the Honorary Medals be postponed pending seating of the new Board. Request approved.

The meeting recessed at 11:45 A.M. and reconvened at 1:15 P.M. the same day.

Mr. Peck, Chairman, Foundation Liaison, reported that a meeting of the Foundation Trustees had been held during the noon break, and that the minutes of the Trustees meeting would be reported in the BULLETIN.

Mr. Peck moved and Mr. Wood seconded, that appointments as Honorary Judges be based solely on outstanding service to AIS. Motion passed.

Mrs. Ramsey, Chairman, Judges and Judges Training, reported on judges' activities, training and performance in 1973, and presented her recommendations for 1974. Mr. Bledsoe moved, and Mrs. McCaughey seconded, a motion to approve the recommendations as follows:

1) The appointment of Mr. Oskar Stahel, Zurich, Switzerland, as an Accredited AIS Judge.

2) The appointment of the following to Senior Judgeships:

Mr. Thornton M. Abell, Santa Monica, California
Mrs. Kenneth B. Anderson, La Canada, California
Mr. Raymond J. Blicharz, Trenton, New Jersey
Mrs. E. V. Butler, Sacramento, California
Mr. Oren E. Campbell, North Little Rock, Arkansas
Mrs. John Coscarelly, San Jose, California
Mrs. B. E. Crumpler, Roanoke, Virginia
Mrs. George L. Doolittle, Albuquerque, New Mexico
Mrs. Paul E. Dunbar, Indianapolis, Indiana
Mr. John W. Humphrey, Stillwater, Oklahoma
Dr. Odell Julander, Springville, Utah
Mrs. Stephen C. Kanela, Walpole, Massachusetts
Mrs. Paul Maxim, Redding, California
Mrs. R. Nelson Nicholson, Stockton, California
Mrs. Marvin G. Olson, Webster Groves, Missouri
Mrs. Richard V. Ramsey, Wichita, Kansas

Mr. Joseph O. Riley, Denver, Colorado
 Mr. Elvan E. Roderick, Desloge, Missouri
 Mrs. Carl Smith, Lewiston, Idaho
 Mrs. Mona Stipp, Santa Rosa, California
 Mr. Collie S. Terrell, Wasco, California
 Mr. D. Steve Varner, Monticello, Illinois
 Mrs. Eleanor Vennum, San Jose, California
 Mrs. Ira E. Wood, New Providence, New Jersey
 Mrs. Elsie A. Zuercher, Portland, Indiana

3) The appointment of the following to Honorary Judgeships:

Dr. Raymond C. Allen, Mansfield, Ohio
 Mr. W. C. Carter, Herrin, Illinois
 Mr. Herbert C. Graves, Oberlin, Kansas
 Mr. Maxwell W. Hunter, Sr., Hollidaysburg, Pennsylvania
 Mr. Robert D. Little, Richmond Hill, Ontario, Canada
 Mrs. Kenneth D. Smith, Staten Island, New York
 Mr. John Swantak, So. Kortright, New York
 Mrs. C. W. Vallette, Declo, Idaho

4) The 1974 Roster of Judges, with publication in the 1974 BULLETIN. Mr. Bledsoe moved, and Mrs. McCaughey seconded, a motion to accept the recommendations. Motion passed.

Additionally, Mrs. Ramsey presented a comprehensive study of the entire AIS Judges and Judges Training Program, as initially requested by the Board in Portland, May, 1972, and made the following recommendations:

- 1) That the Apprentice Judgeship remain a national level appointment.
- 2) That Apprentices continue to be counted in the quota.
- 3) That the Judges Chairman send a letter to all *new* Apprentices, referring them to specific passages in the Judge's Handbook regarding apprentice training, stating the fact that some regions require more than the AIS minimum requirements, and AIS encourages this, and that if they have any questions, they should consult their RVP.
- 4) That the official ballot be sent to Apprentice Judges for study purposes only; that the ballots be clearly marked "Void—for study purposes only"; that an enclosure with the ballot refer the apprentice to the Judge's Handbook chapter on Awards and Honors, and that the same enclosure update the Awards and Honors chapter with recent changes; and that a cover letter be included explaining the packet.
- 5) That the 15% quota be retained.
- 6) That the Exhibition Judge class not be reinstated.
- 7) That written tests for student and/or apprentice judges (other than those specifically stated for candidates for judgeships and judges in the present judges training guidelines) should not be a national requirement, but that the Regions should be encouraged to use this training device as they see fit.

Mr. Wolford moved, and Mr. Bledsoe seconded, a motion to approve the above seven recommendations. Motion passed.

Mr. Benson reported for Glenn Corlew, Chairman, Membership, on the 1973 Membership Campaign as follows:

WINNERS—1973 New Membership Campaign

Mr. George D. Slade (Region 7)	146 points
Mrs. Ellen Alexander (Region 7)	94 points
Mr. Stuart Loveless (Region 6)	92 points
Mrs. Robert C. Walsh (Region 7)	88 points
Mrs. Francis C. O'Kelley (Region 23)	70 points
Mrs. Viola Lowry (Region 23)	60 points

WINNERS—1973 Membership Renewal Campaign

Winner—Region 23	96.1% of 1972 Membership Renewed
Runners Up—Region 16	94.7% of 1972 Membership Renewed
Region 8	92.4% of 1972 Membership Renewed
Region 20	91.6% of 1972 Membership Renewed
Region 11	90.7% of 1972 Membership Renewed
Region 19	90.6% of 1972 Membership Renewed

There being no objection, Mr. Corlew's report stood approved.

The Board further approved Mr. Corlew's plans, using the present rules, for the

1974 Membership Campaign, and set a goal of "1000 new members in 1974." The Board also approved publication of the 1974 Membership List, copy to be prepared at the St. Louis office.

Mr. Jones, Chairman, Registrations, reported that there is interest among many members in listing the complete parentages of irises in the annual Registrations and Introductions. The Board directed the Registrations Committee to look into the feasibility of the matter.

Mrs. Hamblen recommended that winners of major AIS Awards be notified directly by AIS of such awards. Following a discussion, Mr. Walker moved, and Mrs. Hamblen and Mr. Bledsoe seconded, a motion that a committee be appointed to make recommendations regarding notification of AIS Award winners. Motion carried. (Subsequently, the President appointed an Awards Notification Review Committee as follows: Mr. Bledsoe, Chairman, Mrs. McCaughey, Mr. Wolford and Mr. Fischer.)

Mrs. Christlieb, Chairman, Robins, reported on the status of her committee, that robin membership has increased, and that the 1974 Roanoke convention committee is planning a gala robin reception. Mrs. Christlieb submitted her resignation as Robin Chairman. The Board accepted with regrets the resignation of Mrs. Christlieb pending the appointment of a new Robin Chairman. The Board unanimously approved Mr. Walker and Mr. Jones' resolution to thank Mrs. Christlieb for her years of dedicated service to AIS on behalf of the Robin program. (Subsequently the President appointed Mrs. Faye Edelmann, Box 591, Ft. Morgan, CO. 80701, as the new Robin Program Chairman.)

Mr. Peck reported that Region 2 had directed him to express its interest in more extensive research into the severe rot problem in TB irises in the northeast states, and the possibility of that Region's supporting such research. The Board asked Mr. Peck to further explore the matter with Region 2 and the AIS Scientific Committee Chairman, Dr. Allen.

Mr. Wolford, Chairman, Slides, reported that the slides rental program remains self supporting; that a high degree of interest is evident with 52 programs having been requested in the previous nine-month period; and that priority is being given to the development and assemblage of new slide sets and the updating of old sets. New slide sets to be available in January 1974 include 1) 100 new introductions of 35 well known hybridizers, 2) "Philadelphia Convention" donated by Dr. D. C. Nearpass, 3) "Roanoke Convention Preview" donated by convention officials, and 4) Flower Arrangements featuring irises. Mr. Wolford further reported that arrangements have been completed with FLOWER AND GARDEN magazine for a listing of the AIS slide sets in a future issue of that magazine.

Dr. Wall read the report of B. LeRoy Davidson, Chairman, Species Committee, tracing the successful history of the seed exchange program which now sends out thousands of packets of Iris seed, and the important function of AIS provided by the Species Committee, as evidenced by the ever increasing demand for all its published materials.

President Wall presented the report of Harry B. Kuesel, Chairman, Test Garden Committee. Mr. Kuesel outlined progress on the new National Test Garden program to be initiated at the San Diego convention in 1975. The garden is now planted and under the supervision of Dr. Cosgrove; hybridizers have been responsive to the new program; and, because of the good growth conditions in Region 15, the deadline for receiving seedlings has been extended to 1974. Regarding regional test gardens, and his survey of RVPs, Mr. Kuesel reported that Regions 4, 6, 7, 9, 14, 18, 19, 22, and 24 now support regional test gardens, with Regions 7 and 18 having two test gardens and Region 22 having three.

Mr. Bledsoe reported for Youth Committee Chairman Mrs. Robert E. Dasch, announcing the results of the 1973 Youth Achievement Award contest. The winner is Perry Dyer, Oklahoma; runners-up are Chris Kennedy, Alabama, and Martha Ramsey, Kansas. Mrs. Alice Miller, Maryland, has donated a pewter vase, to be engraved and presented to the first place winner at the 1974 convention Awards Banquet, and Mrs. Dasch proposed that a certificate be printed to present to the three winners. Mr. Bledsoe moved, and Mrs. McCaughey seconded, a motion to accept Mrs. Dasch's proposal to present the winners with certificates, to have Mrs. Dasch obtain estimates and arrange for the printing of up to 100 certificates, and to authorize the President to approve the purchase. Motion passed.

Mr. Bledsoe moved, and Mr. Scharff seconded that the Board formally recognize that Mrs. B. E. Crumpler, Mr. Glenn F. Hanson, Mrs. R. V. Ramsey and Dr. Hugo Wall

had been duly elected and qualified as members of the Board of Directors. Motion carried.

The Board extended a vote of personal thanks to the retired Directors, Mrs. Hamblen and Mr. Scharff, for their loyalty, untiring efforts, and devotion in service to AIS.

The meeting recessed at 4:50 P.M. and reconvened at 8:35 P.M.

The six incumbent elected officers were unanimously reelected for the ensuing year as follows:

President	Dr. Wall
First Vice President	Dr. Cosgrove
Second Vice President	Mr. Wood
Secretary	Mr. Benson
Treasurer	Mr. Ackerman
Editor	Dr. Nelson

President Wall reappointed the following officers for 1974:

Historian	Mrs. McCaughey
Registrar	Mrs. Negus

President Wall presented the names of Regional Vice Presidents who had been duly nominated by their respective Regions. For appointment as new RVPs for 1974:

Region 3—Dr. John Harvey, Jr., 2406 Shellpot Dr., Wilmington, Delaware 19803

Region 6—Mr. D. O. Rawdon, 1344 Leeser Ave., Akron, Ohio 44341

Region 8—Mr. Arthur G. Blodgett, 1008 E. Broadway, Waukesha, Wis. 53186

Region 9—Mr. Harley E. Briscoe, Route 1, White Hall, Ill. 62092

Region 10—Mr. Joseph K. Mertzweiler, 9266 N. Parkview Dr., Baton Rouge,

Louisiana 70815

Region 12—Mr. Bion Tolman, 4399 Carol Jane Drive, Salt Lake City, Utah 84117

Region 14—Mr. Joseph J. Ghio, 1201 Bay Street, Santa Cruz, Calif. 95060

Region 18—Mrs. Paul Newman, Sunny Slope Farms, Ironton, Mo. 63650

Region 20—Mr. Frederic H. Nicholl, 10500 W. 79th Way, Arvada, Col. 74058

Region 22—Mr. Ronald Mullin, 1600 4th St., Route 3, Pawnee, Ok. 74058

For reappointment (having served one of two years) as RVPs for 1974:

Region 1—Mr. James R. Welch

Region 2—Mr. James A. Gristwood

Region 5—Mr. James H. Duren

Region 7—Mr. Adolph J. Vogt

Region 11—Mrs. Sidney W. Smith

Region 13—Mr. George A. Galer

Region 15—Mrs. Barbara A. Serdyski

Region 16—Mr. W. J. Taylor

Region 17—Mrs. Vernon H. Keese

Region 19—Mrs. Lloyd F. Rake

Region 21—Mr. Kempton Settle

Region 23—Mrs. F. C. O'Kelly

Region 24—Mr. Donald R. Saxton

There being no objection, the list of RVPs as presented stood approved.

Mrs. Crumpler moved, and Dr. Cosgrove seconded, that the AIS Board urge Region 4 to take immediate action to adjust its terms of office to run concurrently and conform with those of the AIS, and that Mr. W. D. Kelly be appointed Acting RVP of Region 4 for 1974. Motion passed.

Chairmen of AIS Standing Committees for 1974 were appointed by President Wall, as follows: Administrative, Mr. Browder; Affiliate and Sections, Mr. Hanson; Awards, Dr. Nelson; Convention Liaison, (open); Exhibitions, Dr. Cosgrove; Foundation Liaison, Mr. Peck; Honorary Medals, Mr. Bledsoe; Judges and Judges Training, Mrs. Ramsey; Membership, Mr. Corlew; Publications, Dr. Nelson and Mr. Wood; Publicity, Mr. Perry L. Parrish; Registrations, Mr. Jones; Robins, (open); RVP Counsellor, Mr. Wood; Scientific, Dr. Raymond C. Allen; Slides, Mr. Wolford; Species, Mr. Davidson; Test Gardens, Mr. Kuesel; and Youth, Mrs. Dasch. Dr. Cosgrove moved, and Mr. Hanson seconded, to approve the committee appointments. Motion carried.

President Wall read a letter from Henry C. Rowland, Little Rock, Arkansas, proposing on behalf of two Space Age Robin Groups a new Award for "Space Age Irises." Because the proposal did not meet requirements of present AIS policy for new Awards, the Board directed the matter be referred back to the Awards Committee.

Mr. Peck moved, and Mrs. McCaughey seconded, that the Secretary be authorized to add a reasonable amount for postage on all orders. Motion passed.

Dr. Cosgrove moved, and Mr. Hanson seconded, that the Secretary be instructed to refuse any order for AIS stationery that bears the name of a commercial iris garden. Motion passed.

Mr. Bledsoe, Chairman, Honorary Medals, recommended that the Distinguished Service Medal of AIS be presented to Mrs. Hamblen and to Mr. Scharff, and so moved. Mrs. McCaughey seconded, and the motion carried.

Mr. Bledsoe further recommended that AIS Hybridizers Medals be awarded to Mrs. Neva Sexton and Mr. Ben Hager, and so moved. Mr. Jones seconded, and the motion carried.

Mr. Wood suggested that the term "democratic procedures" may not be sufficiently directive for the regional nominations of RVPs and expressed his belief that more definitive guidelines for the Regions in handling such nominations should be developed. Mr. Wood moved, and Mrs. Crumpler seconded, a motion that the President appoint a committee to examine procedures for the regional nomination of RVPs and make necessary recommendations to the Board. Motion passed. (Subsequently, the President appointed an RVP Nomination Review Committee as follows: Mr. Wood, Chairman, Dr. Cosgrove, Mrs. Crumpler and Mrs. O'Kelly).

The meeting recessed at 10:50 P.M., Saturday, November 3, and reconvened at 9:00 A.M. Sunday, November 4, 1973.

Treasurer Ackerman presented the 1974 budget. Mr. Peck moved, and Mr. Walker seconded, adoption of the 1974 Budget. Motion carried.

Mr. Walker moved, and Mr. Wood seconded, a motion that the President appoint a committee to examine costs and determine the feasibility of reprinting or revising GARDEN IRISES, and report back to the Board. Motion carried. (Subsequently, the President appointed a GARDEN IRISES Feasibility Review Committee as follows: Mrs. Hamblen, Chairman, Mr. Walker, Mr. Wood).

The Board expressed its thanks and deep appreciation to the members of the Wichita Area Iris Club for the thoughtful and gracious arrangements provided for the meeting.

The meeting adjourned at 10:40 A.M. November 4, 1973.

Clifford W. Benson
Executive Secretary

REQUIREMENTS FOR AFFILIATION

The current requirements for affiliation have been overlooked in many cases. They are as follows:

1. All of the officers and directors of the society must be AIS members.
2. There must be enough additional AIS members to total at least 10.
3. The society must participate in the AIS system of registrations and awards.
4. If the above requirements have been met, a society 50% or more of whose members are also AIS members will be enrolled without charge. If less than 50% of its members are qualified, a society may still become an affiliate upon payment of a fee, presently \$25.00.

After having qualified initially, the local society is further obligated to maintain its status by submitting annually to the Chairman a list of officers and members. This is where many difficulties arise, since we have no way of knowing when you hold your annual elections. This list is checked out by the Executive Secretary of the AIS, who reports his findings to the Chairman, who then determines whether the society is qualified. Failure to submit the list to the Chairman will result in automatic disqualification.

GLENN F. HANSON
Chairman, Affiliates and Sections

ADVERTISERS' DIRECTORY

Aril Iris Farm	106	Luihn's Iris Garden	94
Avonbank Iris Garden	74	Marsh Gardens	84
Benson, Cliff W.	102	Melrose Gardens	78
Benson, Z. G.	107	Mount Olive Iris Garden	98
Boxwink Garden	107	Neubert's Flower Gardens	92
Blaylock, Chester	107	Neva Sexton's Iris Garden	76
Blodgett Iris Gardens	101	Old Brook Gardens	79
Brown's Sunny Hill Gardens ..	77	Olson, Marvin G.	100
California State Iris Soc.	107	Palmer's Iris Garden	82
Cape Iris Garden	99	Peterson, Les	83
Carr, Franklin E.	94	Powell's Gardens	87
Cherry Lane Gardens	91	Reath's Nursery	107
Country Village Garden	93	Redenbo's Iris Garden	96
Cook and Flintoff	107	Rees Iris Garden	86
DeForest's Irisnoll	108	Riverdale Iris Garden	68, 69
Dunderman, Mary Louise	96	Rundlett, Edwin	99
Echo Hill Garden	92	Schliefert Garden	89
Enchanted Rainbow Garden	67	Schmelzer's Garden	102
Gable Iris Gardens	88, 103	Shoop, George A.	100
Gene and Gerry's Iris Garden ..	75	Sierra Vista Iris Garden	95
Gibson's Iris Gardens	106	Smith, Mrs. Kenneth D.	96
Hall's Flower Garden	101	Smith, Raymond G.	85
Hamner's Iris Garden	98	Southern Meadows Gardens	95
Hyponex	107	Space Age Iris	81
Ingleside Gardens	97	Spence, Herbert J.	108
J. and J. Iris Garden	70, 71	Starbright Crystal	106
Jones, Bennett C.	93	Tell's Garden	90
Kegerise, Mrs. Evelyn	104	Thomas Gardens	80
Kegerise, Mrs. Richard P.	104	Wethersfield Iris Garden	103
Keppel, Keith	64, 65	Wichita Pollen Daubers Club ..	105
Lakelawn Gardens	72, 73	Wright, Maybelle	66
Landsend Gardens	97		

ERRATA 1973 AWARDS

P. 49: Award of Merit (IB) BUTTERSCOTCH FRILLS (Hamblen), not Buttered Frills.

Honorable Mention (TB) GOING MY WAY (Gibson). Received 36 votes.

ORCHID ECHO (E. Yunker) incorrectly listed at 36 votes, but listing at 27 votes is correct.

P. 51: Honorable Mention (AB) KOVIAR (Hobbs), not Kovair.

Honorable Mention (CA) CABRILLO (Ghio), not Cabrillo.

Honorable Mention (CA) SUSIE KNAPP (Phillips), not Suse Knapp.

ANNOUNCEMENTS

AIS MEMBERSHIP RATES

Annual	\$ 7.50	Sustaining	\$ 15.00
Triennial	18.75	Research	37.50
Family	9.00	Life	150.00
Family Triennial	22.50	Family Life	187.50
Youth member, with others of family as members			1.50
Youth member, with no others of family as members			2.50

SECTION DUES

Send dues, making check payable to the American Iris Society, to Clifford W. Benson, Secretary, American Iris Society, 2315 Tower Grove Avenue, St. Louis, Missouri 63110.

	Japanese	Median	Rebloomer	Siberian	Spuria
Single Annual	\$2.00	\$ 2.00	\$ 3.00	\$ 2.00	\$ 2.00
Single Triennial	5.00	5.00	7.50	5.00	5.00
Family Annual	2.50	2.50	4.00	2.50	2.50
Family Triennial	6.00	6.00	10.00	6.00	6.00
Single Annual Supporting		3.00			
Family Annual Supporting		5.00			
Single Annual Sustaining	3.00	5.00	5.00		3.00
Family Annual Sustaining		7.50			
Single Life		40.00	50.00	50.00	24.00
Family Life		50.00	60.00	60.00	

IMPORTANT: Section dues, if paid through AIS, MUST be for the same duration as your AIS dues. AIS FAMILY member desiring SINGLE Section membership, PLEASE indicate which person is applying for Section membership.

BULLETIN ADVERTISING RATES

COMMERCIAL DIRECTORY (listings in alphabetical order)

Single space (one inch—not to exceed lines)\$13.50

Double space (not to exceed 12 lines)\$22.00

DISPLAY ADVERTISING—January, July, October

One-inch, single column ...\$ 9.00 One-half page\$32.50

Two-inch 13.00 Two-thirds page 42.50

One-quarter page 18.00 Three-fourths page 47.50

One-third page 24.00 One page 60.00

ADD 10% FOR APRIL ISSUE

Note: Display advertising rates are per single issue.

Write the editor for cost of ads in color.

Send advertising copy and checks payable to The American Iris Society to:

Mrs. Kay N. Negus, Assistant Editor

27226 Lana Lane

Conroe, TX 77301

NOTE: ALL COPY FOR JULY ISSUE DUE MAY 10.

Guest Irises for Michigan, 1976

Come to Region 6 in 1976!!

The "Iris Connoisseurs of Michigan" cordially invite hybridizers to send their most recent introductions, or seedlings being considered for introduction, or both.

All guest irises should be sent to:

Mrs. James A. Copeland
Wolf Lake State Fish Hatchery
R. #1 M-43
Mattawan, Mich. 49071

Up to three rhizomes of the same variety can be accommodated. Please, notify the Guest Iris Committee before sending rhizomes. Bearded irises should be sent from July 1st until August 30th, 1974. Each rhizome must be well identified as to:

1. Hybridizer's name and address
2. Name or number of variety
3. Type of iris
4. Height, color and bloom season
5. Year of introduction.

No consideration will be given to any rhizome sent directly to any garden.

If seedlings under number are named prior to the convention the Guest Iris Committee must be notified as soon as possible so that labels and programs can be up to date. All contributors will receive a receipt and notification of the gardens in which each is planted. Also a report will be sent, reporting losses by July 1st, 1975. Instructions should be sent immediately after the convention as to the disposition of guests. Failure to do so by July 1st, 1976, will be interpreted as an order to destroy the stock. Guests will be planted in all tour gardens and they will be no less than 2 ft. apart.

As usual, no guest plant will be traded, distributed or sold. Also, no pods will be set and no pollen will be used. The tour gardens will not be held responsible for losses beyond their control.

Lila Howland
Jill Copeland—Guest Iris Chairmen

NATIONAL TEST GARDEN IRISES, MICHIGAN, 1976

The National Test Garden for the 1976 Convention will be located within walking distance of the Convention hotel. The judges will be able to visit the garden each day of the convention. This offers a better opportunity for the plants' true value to be seen. Consult BULLETIN #210 for National Test Garden rules.

We need your cooperation and we think your irises will get thoroughly judged.

All National Test Garden Irises should be sent to:

Mrs. Lila Howland
P.O. Box 205
206 Gail St.
Morrice, Mich 48857

1974 NEW MEMBERSHIP CAMPAIGN

The 1974 New Membership Campaign opened on January 1, 1974 and will close on September 30, 1974.

Competition for awards will be on an individual basis. Individual participants will be credited for the various types of memberships as follows.

<i>Type of Membership</i>	<i>Will Count as</i>
Single Annual	10 points
Family Annual	12 points
Single Triennial	25 points
Family Triennial	30 points
Youth—when parent is member	2 points
Youth—when parent is non-member	3 points
Sustaining	20 points
Research	50 points
Single Life Membership	200 points
Family Life Membership	250 points
Change from Single Annual to Family	2 points
Change from Single Triennial to Family	5 points

For every sixty (60) points credited, the participant will be awarded one single annual membership extension.

For every seventy-two (72) points credited, the participant will be awarded one family annual membership extension.

During the 1975 National Convention a Trophy will be awarded to the individual accumulating the greatest number of points during the Campaign.

RULES

1. Notice of each new member must be sent to the RVP or Regional Membership Chairman within one week after it is secured.
2. Each new membership should be reported on a separate slip of paper (postcard size) showing name and address of the new member, the Region and the name and address of the participant securing the new membership. This slip should then be used by the RVP (or Regional Membership Chairman) in reporting to the National Membership Chairman.
3. Only those new Memberships properly reported to the National Membership Chairman will be counted.
4. New memberships are to be credited only to the participant actually securing them.
5. Renewal of memberships after a lapse of one year will count as a new member.
6. New memberships received by the Secretary in the St. Louis office after September 30, 1974 will not be counted.

1974 MEMBERSHIP RENEWAL CAMPAIGN

Competition in the 1974 Membership Renewal Campaign will be on a Regional Basis and conducted in accordance with the following.

The Membership Renewal Campaign will cover the period of October 1, 1973 through September 30, 1974.

Regions will be ranked on the percentage of renewals for members on record as of October 1, 1974.

Renewals received by the Secretary in the St. Louis office after September 30, 1974 will not be counted.

The Region achieving the highest renewal percentage will be presented an appropriate award at the National Convention.

All renewal dues must be sent directly to Mr. Clifford W. Benson, Secretary, American Iris Society, 2315 Tower Grove Ave., St. Louis, MO. 63110. In addition, when you send in your renewal check, be sure to indicate any address change.

WINNERS—1972 NEW MEMBERSHIP CAMPAIGN

	Points		Points
Mr. George D. Slade, Region 7	146	Mrs. Robert C. Walsh, Region 7	88
Mrs. Ellen Alexander, Region 7	94	Mrs. Francis O'Kelly, Region 23	70
Mr. Stuart Loveless, Region 6	92	Mrs. Viola Lowry, Region 23	60

WINNERS—1973 MEMBERSHIP RENEWAL CAMPAIGN

Winner

Region 23 96.1% of 1972 Membership Renewal

Runnersup

Region 16	94.7%	Region 11	90.7%
Region 8	92.4%	Region 19	90.6%
Region 20	91.6%		

IRIS SLIDES FOR RENTAL

The American Iris Society maintains numbers of excellent sets of iris slides for rental. Each set contains 100 slides, 35mm size. A list of the names of the irises accompanies each set. Ideal for a program for your iris meetings and garden club meetings, these slides are a fine way to study the new irises. Are you considering, or would you like to see, some new irises? What better way than to rent a set of slides and keep informed on the new varieties.

AIS SLIDES PROGRAM

1. The Philadelphia Convention—Good and Plenty. The story told in slides by Dr. D. C. Nearpass.
2. Region IV in '74. A preview of the gardens that will be on tour. These slides were furnished by officials of the Roanoke Convention.
3. Portland Convention in 1972. Slides of famous Schreiner, Cooley, Tompkins and DeForest Gardens.
4. The newest in irises! Many 1973 and 1972 introductions by popular hybridizers. These slides were made by the hybridizers themselves in their home gardens.
5. The newer tall bearded award winners and contenders—also many other favorites.
6. Artistic award winning arrangements featuring irises. Perfect for garden clubs. Slides made by an expert photographer.
7. Two sets, each different, of Convention Wichita 1971. These sets continue to remain very popular.
8. The ever popular, less expensive, bearded irises that have stood the test of time. This set includes many interesting garden scenes.
9. The bearded species along with their special hybrids, including miniature and standard dwarf, intermediate, aril, table and border varieties.
10. The beardless iris species and their hybrids, including Crested, Spuria, Siberian, Louisiana, Western Natives and Japanese.
11. Irises of all types in an unending collection, including the charm of bulbous irises. This set is varied, distinct and original.

Request for slides should be made well in advance for proper scheduling, preferably 30 days or longer. Include a second-choice date if possible. Give the exact date desired so that slides can be sent insured airmail. Send your complete address, including zip. Slides are to be returned insured airmail. Check for \$5.00 (for set of 100 slides), payable to the American Iris Society, must accompany your order. Mail to:

LEON C. WOLFORD, Chairman, Slides Committee
7530 Forney Road, Dallas, Texas 75227

AMERICAN IRIS SOCIETY SHOW SUPPLIES

ADD 10% FOR HANDLING AND MAILING CHARGES

Official show supplies of the American Iris Society are available from the American Iris Society, 2315 Tower Grove Avenue, St. Louis, Missouri 63110. Please make checks payable to the American Iris Society. Show reports are to be mailed to Dr. Clarke Cosgrove, 8260 Longdon Avenue, San Gabriel, Calif. 91755.

1. Handbook for Judges and Exhibitions\$1.50 each
2. Color Classifications, 1971 revision60¢ each; ten or more, 50¢ each
3. Entry Tags, Revised. When judging is completed, clerks can tear off bottom and start tabulating\$1.50 per hundred
4. Clerk's records. For recording winners in each class. One needed for each class. Punched so they can be inserted in a notebook and made part of a permanent record\$1.50 per hundred
5. Award ribbons. Blue, first; red, second; white, third; pink, honorable mention. Imprinted with AIS seal and Premium Award. First-quality ribbon.18 cents each
6. Award ribbons. Smaller than 5, but otherwise the same. Meant for median and dwarf shows15 cents each
7. Purple Rosette: AIS seal on middle streamer, American Iris Society on one outside streamer, on the other outside streamer—
 - A. Best specimen of show1.30 each
 - B. Best arrangement of show1.30 each
 - C. Horticultural sweepstakes1.30 each
 - D. Artistic sweepstakes1.30 each
 - E. Seeding of Show Most Worthy of Introduction1.30 each
8. Small purple rosettes
 - A. Imprinted Horticultural Class, Special Award. May be awarded for best of group; i.e., best white self, best blue self, best plicata, best bitone, best blend, best collection, or any other special award
75 cents each
 - B. Imprinted Artistic Class, Special Award. May be awarded to best of any group in artistic or composition classes, or any other special award in artistic classes75 cents each
 - C. Best specimen of show, Junior Division75 cents each
 - D. Best arrangement of show, Junior Division75 cents each
 - E. Horticultural sweepstakes, Junior Division75 cents each
 - F. Artistic sweepstakes, Junior Division75 cents each
9. Section rosette. Midway in size between 7 and 8. May be awarded to best specimen in each section (tall bearded, border, miniature tall bearded, spuria, Siberian, Louisiana, Japanese, etc.)85 cents each
10. Silver or Bronze medals. Not engraved. Orders for these medals should accompany show report sent to the Chairman, Exhibitions Committee. Supplied without cost to AIS Affiliates4.25 each
11. Seedling ballots. One should be given to each AIS judge who visits the show; to be used by judges in voting for Exhibition Certificate
No charge
12. Report and application for award. One set in triplicate for a show.
No charge

ADD 10% FOR HANDLING AND MAILING CHARGES

COMMERCIAL DIRECTORY

ARIL IRIS FARM

Oncocyclus Hybrids and Species

LIST ON REQUEST

JOHN AND BERTHA HOLDEN

Rt. 1, Box 3770, Ridgecrest, CA 93555

BALDWIN'S IRIS

1306 Monroe Walla Walla, WA. 99362

Large selection of new varieties.

(Iris of the 70's)

Attractive prices—Washington grown.

—Free catalog on request—

No color

BAY VIEW GARDENS

of Joseph J. Ghio

1201 Bay St., Santa Cruz, Calif. 95060

Send a 10¢ stamp for catalog listing. The finest in median, tall, Louisiana, Pacifica, Siberian and spuria irises.

BROWN'S SUNNYHILL GARDENS

(Tom M. & Opal L. Brown)

"YOUR ASSURANCE OF QUALITY"

FEATURING THE FINEST OF
MODERN TALL BEARDED IRIS

Catalog on request

— No Color —

Route 3, Box 102

Milton-Freewater

Oregon 97862

C&A IRIS GARDENS

Growers of Quality Iris

REASONABLE PRICES

PRICE LIST ON REQUEST

Wholesale and Retail

3224 Northstead Dr.

Sacramento, Calif. 95833

CHARJOY GARDENS

Charles and Joyce
Army, Jr.

117 Acacia Drive
Lafayette, La. 70501

**Top Quality
Louisiana Irises**

Catalog 10¢

COOLEY'S GARDENS

301 S. James Ave.

SILVERTON, OREGON 97381

Incomparable Iris catalog in color

FEATURING THE FINEST OF
TALL BEARDED IRISES
QUALITY RHIZOMES

Considered by many as the world's finest
iris catalog in color. Send 50¢ for your
copy if you are not a customer.

CORDON BLEU FARMS

Best of the new and old

IRISES

Tall Bearded, Arilbreds, Medians,
Rebloomers, Spurias, Louisianas,
Californicae

418 BUENA CREEK ROAD
SAN MARCOS, CALIF. 92069

Louisianas
Spurias
Siberians
Rebloomers
Selected Wildflowers
LIST ON REQUEST

CROOKED CREEK GARDENS

Star Route, Marquand, MO. 63655

DISCOVERY TRAIL GARDENS

(Home of Region 14 Aril Display Garden)

Arils, arilbreds, by Leo Clark. SPACE AGE by Lloyd Austin, and many fine TBs (old to new). List for 25 cents to Box 231, Rescue, CA 95672

HARDY NORTHERN IRIS

1974 Color Catalog—50¢

New Introductions of

MERLE DALING

LAURA POND

GORDON W. PLOUGH

EDEN ROAD IRIS GARDEN

P.O. BOX 117
WENATCHEE, WASH. 98801

EVERGREEN IRIS GARDEN

WM. (PAT) AND JAN STUMP
116 East 19th Ave., Kennewick, Wash. 99336
Fine Selection of Quality Tall Bearded Irises

New Introductions of
EDWARD N. CHRISTENSEN
Price List on Request

FLEUR DE LIS GARDENS

CHET W. TOMPKINS

Hybridizer and grower of

Fine Irises

BIG HARDY PLANTS

Comprehensive up-to-the-minute

Catalogue, 50¢

P.O. Box 670
CANBY, OREGON 97013

FOSTER IRIS

850 Ora Avo Drive, Vista, Cal. 92083

SPECIALIZING IN ARILS

Californicae, Medians

List on Request

VISITORS WELCOME

GENE & GERRY'S IRIS GARDENS

Featuring introductions by
Crossman, Nearpass & Burger
List of Newer Varieties on Request

39 E. Patrick Frederick, MD. 21701

A. H. HAZZARD

510 Grand Pre Ave. Kalamazoo, Mich. 49007

Grower of
JAPANESE IRIS PLANTS AND SEEDS
Over 300 varieties. List on request

HILDENBRANDT'S IRIS GARDENS

Star Route, Box 4, Lexington, Nebr. 68850
Region 21 Test Garden Located Here
Featuring Introductions of Mrs. B. Wolff
Price List on Request
VISITORS ALWAYS WELCOME

EDW. L. HOLLOWAY, SR.

5501 EMERSON AVE., NORTH
MINNEAPOLIS, MINN. 55430

Featuring
RECENT TB INTRODUCTIONS
Limited quantities—attractive prices
Send stamp for descriptive price list

IMPERIAL FLOWER GARDENS

FINEST NORTHERN ILLINOIS
GROWN IRISES

Offering tall bearded, Siberian, Spurias, and
other species irises. Also Oriental poppies.
Descriptive catalog for 8¢ stamp.

Box 225 Cornell, Illinois 61319

KEITH KEPPEL

P.O. BOX 8173
STOCKTON, CALIFORNIA 95208

Black and white catalogue featuring

- Gatty and Keppel introductions
- newest tall bearded
- medians
- arilbreds

. . . available on request . . .

J & J IRIS GARDEN

New introductions of
REX & ALTA BROWN
JACK BOUSHAY
Catalog on request
Route 1, Box 329,
Cashmere, Wash. 98815

LAURIE'S GARDEN

(LORENA M. REID)

17225 McKenzie Hwy., Rt. 2
SPRINGFIELD, OREGON 97427

Grower and hybridizer of Californicae,
Siberians (both 28's and 40's), Japanese
and other beardless species iris and hy-
brids. Also English, Louisiana and Spuria
irises.

Descriptive price list for stamp
around May 1

MATHEWS IRIS GARDEN

Large selection of new and old choice
varieties.

Free price list on request.

201 SUNNY DRIVE
COLLEGE PLACE, WASH. 99324

M c E W E N

SIBERIANS DAYLILIES

OUR OWN INTRODUCTIONS
LISTS ON REQUEST

DR. AND MRS. CURRIER McEWEN
SOUTH HARPSWELL, MAINE 04079

MELROSE GARDENS

309 Best Road South—A
Stockton, California 95206

Presenting the 1974 introductions of:
Doris Greenwood, Collie Terrell, Joe Gatty,
Ben R. Hager, Sid DuBose, Susan Weiler,
Steve Weiler, and Jonnye Rich.

OFFERING at discounted prices: TB,
Median, Dwarf, Novelty, Airlbred, Re-
blooming bearded iris.

FEATURING: Spuria, Siberian, Louisiana,
Japanese iris and DAYLILIES.

ILLUSTRATED CATALOG—35¢

MISSION BELL GARDENS

(MELBA AND JIM HAMBLÉN)

Featuring Fine Irises of
Recent Introduction

TALL BEARDED AND MEDIAN

CATALOG ON REQUEST—NO COLOR

2778 W. 5600 So.

Roy, Utah 84067

MOHR GARDENS

Discount prices on
high quality TB iris.

List on request
1649 LINSTAD DR.
LEXINGTON, KY. 40504

MOUNT OLIVE IRIS GARDEN

10349 EMPIRE GRADE
SANTA CRUZ, CALIFORNIA 95060

Grower of tall bearded iris, featuring the
best in the west. Mountain grown on the
edge of the Pacific.

Visitors Welcome

List on request.

Ralph B. Coleman, Owner

PALETTE GARDENS

26 W. Zion Hill Rd., Quakertown, Pa. 18951

Extensive listing of irises—tall bearded,
dwarfs and Siberians at discounted prices.
Catalog free.

Dwarf conifers, old Roses, Ferns, Hostas,
exotic Maples, Alpines, Sedums and
Sempervivums. Over 3,500 plants offered.
New illustrated catalog 50¢. Refundable
with order. Ship anywhere.

SPECIES SPECIALTIES

EARL AND MARGE ROBERTS

5809 Rahke Rd., Indianapolis, IN 46217

1974 Species iris list available for stamped
addressed long envelope, in March. List of
1974 introductions ready in late May on
request, or see ad in July Bulletin.

HOME OF THE DWARF PINKS

RIVERDALE IRIS GARDENS

Glenn and Zula Hanson
7124 Riverdale Road
MINNEAPOLIS, MINNESOTA 55430

Hardy Minnesota Grown Irises

Specializing in
DWARFS and MEDIANS

FREE PRICE LIST—NO COLOR

SCHLIEFERT IRIS GARDENS

MURDOCK, NEBR. 68407

Since 1935

Our Thirty-third Annual Catalog
25¢

SCHREINERS GARDENS

3629 QUINABY RD. NE (R2)
SALEM, OREGON 97303

feature

Fine Iris for discerning collectors

Growers—Hybridizers—Originators

America's Finest Iris Catalog, accurate color illustrations, a treasure trove of information 50¢

HARDY MIDWEST GROWN IRIS

Lowest prices consistent with fine quality
Free Catalog on Request (No Color)

SOUTHERN MEADOWS GARDEN

BOX 230, CENTRALIA, ILLINOIS 62801
May R. Tucker James S. Tucker

SUMMERLONG IRIS GARDENS

Reblooming Irises for the North

List on Request
CHARLES V. APPLGATE
Rt. 2 Box 163
Perrysville, Ohio 44864

TELL'S GARDEN

425 N. 4 W., Box 331 Orem, Utah 84057

MODERN IRISES AND
HEMEROCALLIS

NO CATALOG

LIST 10¢

TOP O' THE RIDGE

offering
SELECTED IRISES
Spurias, Medians, Tall Bearded
CHOICE PEONIES
Standard and Hybrid

— AND —

KAY SEE DE LUXE
GARDEN MARKERS

If you do not have one, send for 1974
illustrated descriptive catalog
100 NE 81st St., Kansas City, Mo. 64118

TREASURE LANE IRIS GARDEN

Miniatures, Dwarfs, Intermediates and
Borders

Price List on Request

7808 9th St.

Elverta, Calif. 95626

ILLINI IRIS

D. STEVE VARNER

N. State St. Rd. Monticello, Ill. 61856

Hybridizer and Grower
Tall Bearded, Border Bearded and
Siberian Irises, Tetraploid Hemerocallis
Price List on Request

GILBERT H. WILD AND SON, INC.

Irises, Peonies, Daylilies

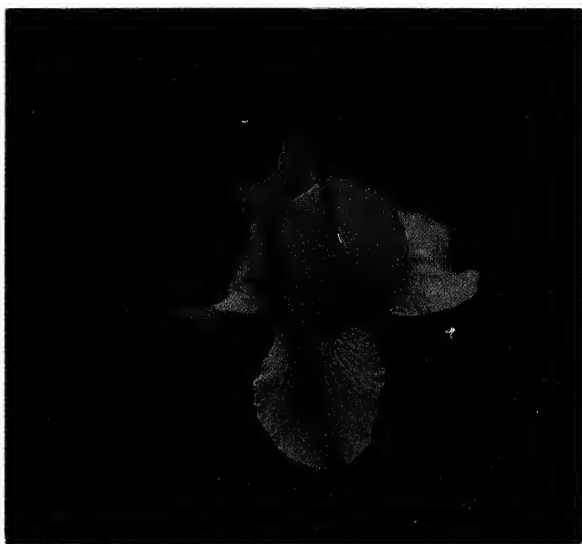
Send \$1.00 for 88-page beautifully illustrated
catalog in color featuring IRISES, PEONIES,
DAYLILIES.

Dept. AIS—474

SARCXIE, MO. 64862

MOUNTCLARE IRIS GARDENS

Home of the Aril
Iris of the Great
Lakes region
Since 1941



GENETIC ARTIST
(Danielson)



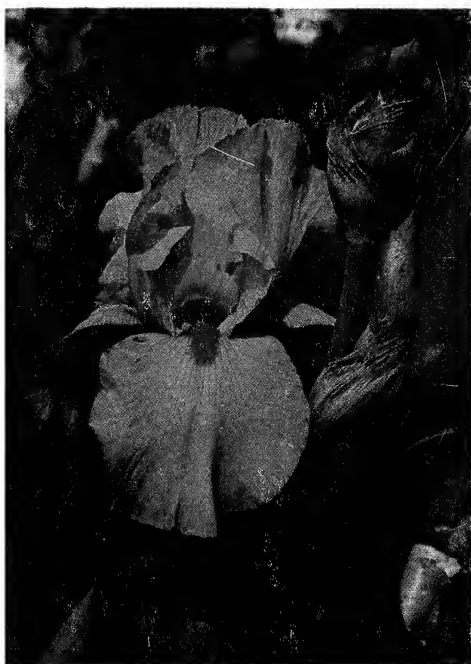
RADIANT SMILE
(Danielson)

Henry Danielson
3036 N. Narragansett Ave.
Chicago, Ill. 60634

Nathan and Thelma Rudolph



ORANGE FIRE
(Rudolph '74) #70-70



LEMON BROCADE
(Rudolph '74) #71-25



LAKELAWN GARDENS
405 Lakelawn Blvd., Aurora, Illinois 60506